



NOXSYSTEMS

perfecting your sense of security

NOXCOMPONENTS

2024

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NOXSYS

A SYSTEM FOR THE HIGHEST LEVEL OF SECURITY



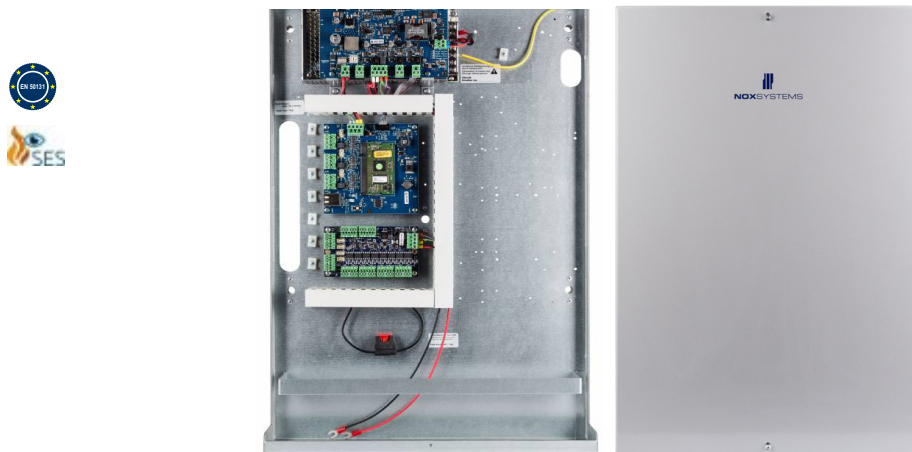
FROM SEPTEMBER 2024
- SUBJECT TO CHANGE WITHOUT NOTICE

NOX Control units SYS

NOX SYS Grade 2

NOX SYS G2 / Control Unit „Corp“ License G2

Part no.: N101-G2-V4



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			220
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current Bus of the NOX PS5	A			5
Dimensions (LxWxH)	mm	604 x 404 x 105		
Weight (with cover, without batteries)	kg	14		
Tamper detection	Integrated using optical sensor			
Back tamper detection	None			
Drilling detection	None			
Space for batteries	2 x 17 Ah, Valve Regulated Lead Acid batteries (VRLA type)			
Temperature monitoring for batteries	None			
Terminals	AC Input, Battery, 3x NOX Bus, 3x15 VDC Outputs, Ethernet			
Bottom housing	Steel sheet galvanised, 2 mm			
Cover	Steel sheet, 1.5 mm powder-coated RAL9006 aluminium-white			

Consists of (Part. No)	Description
N106	NOX BOX SYS, empty housing
N279 (N277+N276)	NOX CPU V4 Set with „Corp“ License
N109-G2	NOX PS5 G2, Power Supply 5 A, Components
N209-G2	NOX MIO G2, Multi I/O Module internal Grade 2

Spare parts	Spare parts
N277 NOX Motherboard RevD	N276 Toradex CPU module V4 (DIMM T30)
T528 Tamper switch with cable	T525 Cable NOX BUS, connection of I/O modules
T530 Cable USB to CPU	T529 Cable PS5 to batteries

Standards							
EN 50131 G2	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN 5D002.c.1

NOX SYS Grade 3 VdS-C

NOX SYS G3 / Control Unit „Corp“ License G3

Part no.: N101-G3-V4



Technical data			Unit	Min.	Nominal	Max.	
AC supply voltage			VAC	100	230	240	
AC supply frequency			Hz	47	50	63	
Power consumption			VA			220	
Invironmental temperature			°C	0	25	40	
Air humidity at +40°C (non condensing)			% rF			93	
Output current bus of the NOX PS5			A			5	
Dimensions (LxWxH)			mm	604 x 404 x 105			
Weight (with cover, without batteries)			kg	14			
Tamper detection			Integrated using optical sensor				
Back tamper detection			Integrated using optical sensor				
Drilling detection			None				
Space for batteries			2 x 17 Ah, Valve Regulated Lead Acid batteries (VRLA type)				
Temperature monitoring for batteries			Via Battery Temperature Sensor				
Terminals			AC Input, Battery, 3x NOX Bus, 3x15 VDC Outputs, Ethernet				
Bottom housing			Steel sheet galvanised, 2 mm				
Cover			Steel sheet, 1.5 mm powder-coated RAL9006 aluminium-white				
Consists of (Part. No)			Description				
N106			NOX BOX SYS, empty housing				
N279 (N277+N276)			NOX CPU V4 Set with „Corp“ License				
N109-G2			NOX PS5 G2, Power Supply 5 A, Components				
N209-G2			NOX MIO G2, Multi I/O Module internal Grade 2				
N256			NOX TEP RevA, Battery Temperature Sensor				
N257			NOX ALA RevA, Back Tamper Sensor				
Spare parts			Spare parts				
N277 NOX Motherboard RevD			N276 Toradex CPU Modul V4 (DIMM T30)				
T528 tamper switch with cable			T525 cable NOX BUS, connection of I/O modules				
T530 cable USB to CPU			T529 cable PS5 to batteries				
Standards							
EN 50131 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1	SSF 1014		ECCN 5D002.c.1
VdS-C G 117008		VSÖ Klasse WS					

NOX Control unit XL

NOX XL Grade 3 VdS-C

NOX XL G3 VdS-C / Control Unit „Corp“ License G3

Part no.: N264-G3-VDSC



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			280
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			5
Dimensions (LxWxH)	mm	708 x 508 x 205		
Weight with cover, without battery	kg	22		
Tamper detection	Integrated using optical sensor			
Back tamper detection	Yes			
Drilling detection	None			
Space for battery	2 x 40 Ah, Valve Regulated Lead Acid battery (VRLA Type, VdS approved)			
Battery monitoring	With temperature monitoring and tracking of the charging voltage			
Integrated I/O	8 Relais, 8 Inputs, 6 Open collector outputs (MIO)			
Terminals	AC Input, Battery, 3x NOX Bus, 3x15 VDC Output,Ethernet, Tamper switch			
Bottom housing	Steel sheet galvanised, 2 mm			
Cover	Steel sheet, 1.5 mm powder-coated RAL9006 aluminium-white			

Consists of (Part. No)	Description
N254	NOX BOX XL, Empty Housing
N279 (N277+N276)	NOX CPU V4 Set with „Corp“ License
N109-G2	NOX PS5 G2, Power Supply 5A, Components
N209-G2-MEX	NOX MIO G2 MEX, Multi I/O Module internal Grade 2
N256	NOX TEP, Battery Temperature Sensor
N257	NOX ALA, Back Tamper Sensor

Supply / Spare parts	Supply / Spare parts
N277 NOX Motherboard RevD	T530 Cable USB to CPU
T529 Cable PS5 to batteries	T525 Cable NOX BUS, connection of I/O modules

Standards						
EN 50131 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	VdS-C G 117008	VSO Klasse WS	ECCN 5D002.c.1
EN 62368-1						

NOX Control units ONE

NOX ONE Grade 3

NOX ONE G3 / Control Unit with 1 Bus

Part no.: N401-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			100
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			1.5
Dimensions (LxWxH)	mm	380 x 240 x 101		
Weight with cover, without battery	kg	3.4		
Tamper detection	Integrated using optical sensor			
Back tamper detection	Yes, micro switch			
Drilling detection	None			
Space for battery	1 x 17 Ah, Valve Regulated Lead Acid battery (VRLA Type)			
Battery monitoring	With temperature monitoring and tracking of the charging voltage			
Integrated I/O	2 Relais, 8 Inputs, 8 Open collector outputs			
Terminals	AC Input, Battery, 1x NOX Bus, 1x15 VDC Output, Ethernet, Tamper switch, Extension			
Housing	Steel sheet, 1 mm powder-coated RAL9006 aluminium-white			
License	NOX ONE			
Supports all standard NOX BUS components				

Consists of (Part. No)	Description
N406	NOX BOX ONE
N405	AC/DC Power Supply 50 W
N404	NOX NX1, Systemboard
N403	CPU Module VF50 (DIMM) -> NOXone

Supply / Spare parts	Supply / Spare parts
N404 NOX ONE Systemboard	N406 NOX BOX ONE
N403 CPU Module	N405 NOX ONE Power Supply 50 W
N414 NOX ETH	

Standards						
EN 50131 G3	EN 50130-5	EN 61000-6-3	EN 62368-1	EN 50130-4	SSF 1014	ECCN 5D002.c.1
VdS EN-ST-000301	VSÖ Klasse GS-H					

NOX ONE SET Grade 3

NOX ONE Set / Control Unit + CPA

Part no.: N402-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			100
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			1.5
Dimensions (LxWxH)	mm	380 x 240 x 101		
Weight with cover, without battery	kg	3.4		
Tamper detection	Integrated using optical sensor			
Back tamper detection	Yes, micro switch			
Drilling detection	None			
Space for battery	1 x 17 Ah, Valve Regulated Lead Acid battery (VRLA Type)			
Battery monitoring	With temperature monitoring and tracking of the charging voltage			
Integrated I/O	2 Relais, 8 Inputs, 8 Open collector outputs			
Terminals	AC Input, Battery, 1x NOX Bus, 1x15 VDC Output, Ethernet, Tamper switch, Extension			
Housing	Steel sheet, 1 mm powder-coated RAL9006 aluminium-white			
License	NOX ONE			
supports all standard NOX BUS components				

Consists of (Part. No)	Description
N401-G3	NOX ONE, Control Unit with 1 Bus
N267-G3	NOX CPA AP KS, Keypad with LCD

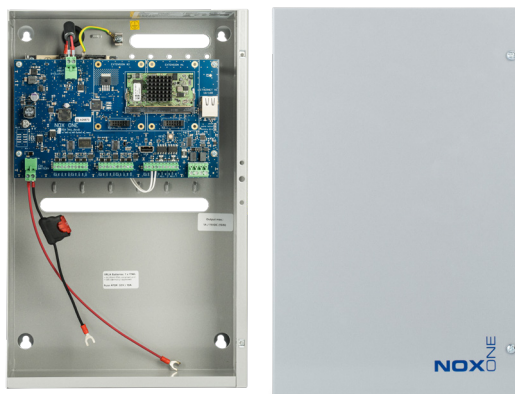
Further system components	Further system components
N113 NOX KPD Code keyboard	N250-G2 NOX UPE Code keyboard
N262 NOX Touch Panel	N233-G3 NOX CMO card reader interface
N119-G2 NOX IO4 Input/Output module quadruple	N414 NOX ETH

Standards						
EN 50131 G3	EN 50130-5	EN 61000-6-3	EN 62368-1	EN 50130-4	SSF 1014	ECCN 5D002.c.1
VdS EN-ST-000301	VSÖ Klasse GS-H					

NOX ONE T30

NOX ONE T30 / Control Unit + „Corp“ License

Part no.: N415-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			100
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			1.5
Dimensions case (LxWxH)	mm	380 x 240 x 101		
Weight with cover, without battery	kg	3.4		
Tamper detection	Integrated using optical sensor			
Back tamper detection	Yes, micro switch			
Drilling detection	None			
Space for battery	1 x 17 Ah, Valve Regulated Leed Acid battery (VRLA Type)			
Battery monitoring	With temperature monitoring and tracking of the charging voltage			
Integrated I/O	2 Relais, 8 Inputs, 8 Open collector outputs			
Terminals	AC Input, Battery, 1x NOX Bus, 1x15 VDC Output, Ethernet, Tamper switch, Extension			
Housing	Steel sheet, 1 mm powder-coated RAL9006 aluminium-white			
License	NOX Corp / alternative: NOX Lite, NOX Slave			
supports all standard NOX BUS components				

Consists of (Part. No)	Description
N401-G3	NOX ONE, Control Unit with 1 BUS

Further system components	Further system components
N113 NOX KPD Code keyboard	N250-G2 NOX UPE Code keyboard
N262 NOX Touch Panel	N233-G3 NOX CMO card reader interface
N119-G2 NOX IO4 Input/Output module quadruple	N414 NOX ETH

Standards							
EN 50131 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1	SSF 1014	ECCN 5D002.c.1	
VdS EN-ST-000300							

NOX ONE T30

NOX ONE T30 / Control Unit + „Lite” License

Part no.: N415-G3-L



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			100
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			1.5
Dimensions case (LxWxH)	mm	380 x 240 x 101		
Weight with cover, without battery	kg	3.4		
Tamper detection	Integrated using optical sensor			
Back tamper detection	Yes, micro switch			
Drilling detection	None			
Space for battery	1 x 17 Ah, Valve Regulated Leed Acid battery (VRLA Type)			
Battery monitoring	With temperature monitoring and tracking of the charging voltage			
Integrated I/O	2 Relais, 8 Inputs, 8 Open collector outputs			
Terminals	AC Input, Battery, 1x NOX Bus, 1x15 VDC Output, Ethernet, Tamper switch, Extension			
Housing	Steel sheet, 1 mm powder-coated RAL9006 aluminium-white			
License	NOX Lite / alternative: NOX Corp, NOX Slave			
supports all standard NOX BUS components				

Consists of (Part. No)	Description
N401-G3	NOX ONE, Control Unit with 1 BUS

Further system components	Further system components
N113 NOX KPD Code keyboard	N250-G2 NOX UPE Code keyboard
N262 NOX Touch Panel	N233-G3 NOX CMO card reader interface
N119-G2 NOX IO4 Input/Output module quadruple	N414 NOX ETH

Standards							
EN 50131 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1	SSF 1014	ECCN 5D002.c.1	
VdS EN-ST-000300							

NOX ONE T30

NOX ONE T30 / Control Unit + „Slave“ License

Part no.: N415-G3-S



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			100
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			1.5
Dimensions case (LxWxH)	mm	380 x 240 x 101		
Weight with cover, without battery	kg	3.4		
Tamper detection	Integrated using optical sensor			
Back tamper detection	Yes, micro switch			
Drilling detection	None			
Space for battery	1 x 17 Ah, Valve Regulated Leed Acid battery (VRLA Type)			
Battery monitoring	With temperature monitoring and tracking of the charging voltage			
Integrated I/O	2 Relais, 8 Inputs, 8 Open collector outputs			
Terminals	AC Input, Battery, 1x NOX Bus, 1x15 VDC Output, Ethernet, Tamper switch, Extension			
Housing	Steel sheet, 1 mm powder-coated RAL9006 aluminium-white			
License	only to be used as slave control unit in master / slave system			
supports all standard NOX BUS components				

Consists of (Part. No)	Description
N401-G3	NOX ONE, Control Unit with 1 BUS

Further system components	Further system components
N113 NOX KPD Code keyboard	N250-G2 NOX UPE Code keyboard
N262 NOX Touch Panel	N233-G3 NOX CMO card reader interface
N119-G2 NOX IO4 Input/Output module quadruple	N414 NOX ETH

Standards							
EN 50131 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1	SSF 1014	ECCN 5D002.c.1	
VdS EN-ST-000300							

NOX BOX Control units

NOX BOX SYS

NOX BOX empty / Control Unit Case

Part no.: N106



Technical data	Unit	Min.	Nominal	Max.
Dimensions (LxWxH)	mm	604 x 404 x 105		
Weight (with cover, without batteries)	kg	12		
Tamper detection	Tamper switch with cable			
Back tamper detection	None			
Drilling detection	None			
Space for batteries	2 x 17 Ah, Valve Regulated Lead Acid batteries (VRLA Type)			
Bottom housing	Steel sheet galvanised, 2 mm			
Cover	Steel sheet, 1.5 mm powder-coated RAL9006 Aluminium-white			
Consists of (Part. No)	Description			
	Bottom housing control unit SYS			
-	Cover control unit SYS			
T528	Tamper switch with cable			
-	Clip for battery holder 392 x 20 x 1.5 mm			
Mounting possibility for	Mounting possibility for			
N274 NOX CPU V4 Set with „CORP“	N256 NOX TEP Battery Temperature Sensor			
N257 NOX ALA Back tamper Sensor	N109-G2 NOX Power supply P55 G2			
	N105-G2 NOX MIO G2, Multi I/O Modul internal Grade 2			
Standards				

NOX BOX ONE

Case NOX NX1 with NOX ONE Logo

Part no.: N406



Technical data	Unit	Min.	Nominal	Max.
Dimensions (LxWxH)	mm	380 x 240 x 101		
Weight with cover, without battery	kg	2		
Tamper detection	None			
Back tamper detection	None			
Drilling detection	None			
Space for battery	1 x 17 Ah, Valve Regulated Lead Acid battery (VRLA Type)			
Temperature monitoring for batteries	None			
Housing	Steel sheet, 1 mm powder-coated RAL9006 Aluminium-white with Logo NOX ONE			

Consists of (Part. No)	Description
-	Case NX1

Mounting possibility for	Mounting possibility for
N404 NOX ONE Systemboard	N405 NOX ONE Power supply 50 W
1 piece NOX BUS module in DASK Case	

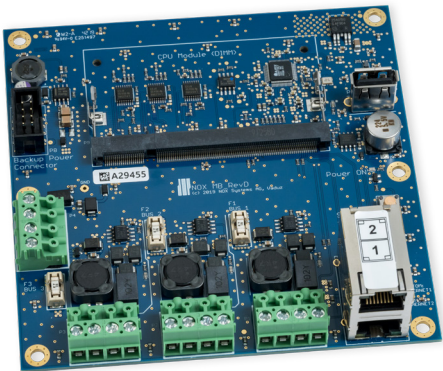
Standards	
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NOX Motherboard / CPU Set

NOX Motherboard RevD

NOX Motherboard RevD

Part no.: N277

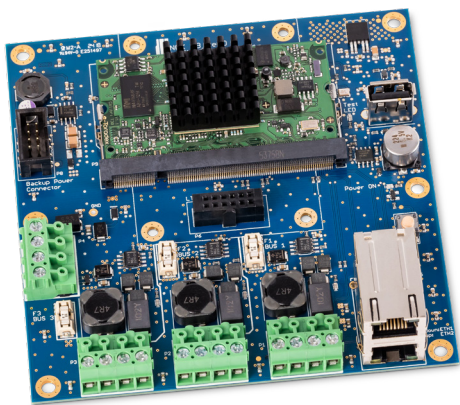


Technical data			Unit	Min.	Nominal	Max.
AC supply voltage			VDC	14.25	15.0	15.75
Current consumption			mA		240	
Invironmental temperature			°C	0	25	40
Air humidity at +40°C (non condensing)			% rF			93
Max. Bus Output current (each Bus)			A			3
Dimensions (LxWxH)			mm	120 x 120		
Weight			g	130		
Real-Time Clock backup time on power loss			48 h			
Terminals			2xRJ45 Ethernet, 3x NOX Bus 1-3, 3x15 VDC Outputs, CPU module			
Case			Suitable for NOX BOX SYS, NOX BOX Lite and NOX BOX XL			
Consists of (Part. No)			Description			
N277			NOX MB RevD, Motherboard			
T555			NOX BUS connector 1x4			
Spare parts			Spare parts			
N276 CPU module V4 (DIMM T30) „Corp“			N275 CPU module V4 (DIMM T30) „Lite“			
N270 CPU module V4 (DIMM T30) excl. License (available only as replacement for a CPU V3 PXA320, with serial number)						
Standards						
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN EAR99

NOX CPU V4 Set „Corp“

NOX CPU V4 Set with „Corp“ License

Part no.: N279



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	14.25	15.0	15.75
Current consumption	mA		240	
Invironmental temperature	°C	0	25	50
Air humidity at +40°C (non condensing)	% rF			93
Max. Bus Output current (each Bus)	A			3
Dimensions (L x W)	mm	120 x 120		
Weight	g	140		
Real-Time Clock backup time on power loss	48 h			
Terminals	2xRJ45 Ethernet, 3x NOX Bus 1-3, 3x15 VDC Outputs, CPU module			
CPU DIMM	T30 NVIDIA Tegra 3 mit ARM Cortex-A9			
Clock frequency	Bis 1.4 GHz Quad-Core			
Flash memory	1 GB DDR3L			
RAM memory	4 GB EMMC			
Real-time clock	yes			
Hardware Watchdog	yes			

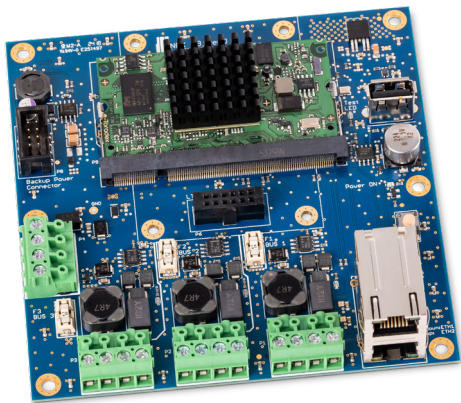
Consists of (Part. No)	Description
N276	CPU Modul V4 (DIMM T30) „Corp“
N277	NOX MB RevD, Motherboard
T555	NOX BUS connector 1x4

Spare parts	Spare parts
N276 CPU Modul V4 (DIMM T30) „Corp“	-

Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN 5A992.c

NOX CPU V4 Set „Lite“
NOX CPU RevC compl with „Lite“ License

Part no.: N278



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	14.25	15.0	15.75
Current consumption	mA		240	
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Max. Bus Output current (each Bus)	A			3
Dimensions (L x W)	mm	120 x 120		
Weight	g	140		
Real-Time Clock backup time on power loss	48 h			
Terminals	2xRJ45 Ethernet, 3x NOX Bus 1-3, 3x15 VDC Outputs, CPU module			
CPU	Marvell XScale PXA320			
Clock frequency	806MHz			
Flash memory	1 GB			
RAM memory	128 MB			
Real-time clock	yes			
Hardware Watchdog	yes			

Consists of (Part. No)	Description
N275	CPU Modul V4 (DIMM T30) „Lite“
N277	NOX MB RevD, Motherboard
T555	NOX BUS connector 1x4

Spare parts	Spare parts
N275 CPU Modul V4 (DIMM T30) „Lite“	-

Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN 5A992.c

NOX ONE Systemboard

NOX NX1 Systemboard

Part no.: N412-G3

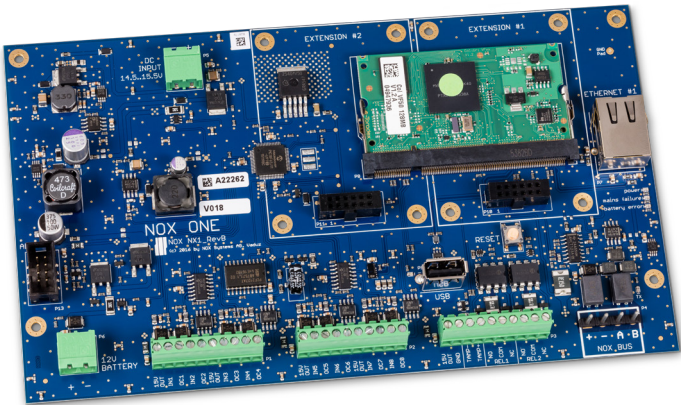


Abb: Systemboard with CPU module
The CPU module is not included

Technical data	Unit	Min.	Nominal	Max.
Supply voltage	VDC			15.5
Supply frequency	Hz	47	50	63
Power consumption	VA			100
Output voltage	VDC	14.25	15.0	15.75
Output current BUS	A			1.0
Air humidity at +40°C (non condensing)	%rF			93
Invironmental temperature	°C	0	25	40
Battery charging current	A	1.0		
Dimensions (L x W)	mm	210x124		
Real-Time Clock backup time on power loss	8 h			
Tamper monitoring	Integrated using optical sensor			
Terminals	Ethernet, DC Input, Battery, 1x NOX BUS, CPU			
Inputs	Hardware 8 resistance monitored (max. 1000 detectors)			
Outputs	Hardware 8 open collector Outputs (max. 1000 outputs)			
Relay Outputs	2			
Tamper Input	1			

Consists of (Part. No)	Description
-	Component NX1

Spare parts	Spare parts
N403 CPU module VF50 (DIMM) -> NOX ONE	

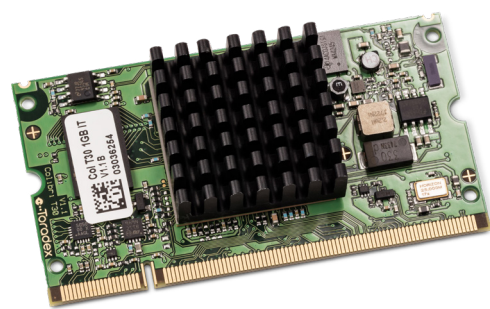
Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN 5A992.c

NOX CPU Modules

CPU module V4 „Corp“

CPU module V4 (DIMM T30) „Corp“ License

Part no.: N276



Technical data	Unit	Min.	Nominal	Max.
Supply voltage	VDC	3.0	3.3	3.6
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (LxWxH)	mm	67.6 x 36.7 x 6.2		
Weight	g	10		
CPU Name	T30			
CPU Type	Intel XScale ARM			
CPU Clock	Up to 1.4GHz Quad-Core			
RAM	1GB DDR3L			
Flash	4GB eMMC			
License	Corporate			
Operating system	Windows CE6			

Consists of (Part. No)	Description
N276	CPU Module V4 (DIMM T30) „Corp“

Spare parts	Spare parts
N277 NOX Motherboard RevD	-

Standards						
						ECCN 5A992.c

CPU module V4 „Lite“

CPU Module V4 (DIMM T30) „Lite“ License

Part no.: N275



Technical data	Unit	Min.	Nominal	Max.
Supply voltage	VDC	3.0	3.3	3.6
Invironmental temperature	°C	-40		85
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (LxWxH)	mm	67.6 x 36.7 x 6.2		
Weight	g	10		
CPU Name	T30			
CPU Type	Intel XScale ARM			
CPU Clock	Up to 1.4GHz Quad-Core			
RAM Memory	1GB DDR3L			
Flash Memory	4GB eMMC			
License	Lite			
Operating system	Windows CE6			

Consists of (Part. No)	Description
N275	CPU Module V4 (DIMM T30) „Lite“

Spare parts	Spare parts
N277 NOX Motherboard RevD	-

Standards						
						ECCN 5A992.c

CPU module „NOXone“

CPU Module (DIMM VF50) NOXone License

Part no.: N403



Technical data	Unit	Min.	Nominal	Max.
Supply voltage	VDC	3.0	3.3	3.6
Invironmental temperature	°C	0		70
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (LxWxH)	mm	67.6 x 36.7 x 6.2		
Weight	g	10		
CPU Name	MVF50NN151CMK40			
CPU Type	NXP/Freescale Vybird			
CPU Clock	400MHz			
RAM	128MB DDR (32 Bit)			
Flash	128MB NAND (8 Bit)			
License	NOX ONE			
Operating system	Windows Enbedded Compact 2013 (CE8)			
Consists of (Part. No)		Description		
N403		CPU Module VF50 (DIMM) -> NOXone		
Spare parts		Spare parts		
N404 NOX ONE Systemboard		-		
Standards				
				ECCN 5A992.c

NOX Power supply

NOX ONE AC/DC Power supply 50 W

AC/DC Power supply 15.5 VDC / 50 W

Part no.: N405



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	264
AC supply frequency	Hz	47	50	63
Invironmental temperature	°C	-25	25	+70
Air humidity at +40°C (non condensing)	% rF	20		95
Output current	A			3.4
Dimensions (LxWxH)	mm	100 x 96.5 x 35.5		
Weight	kg	0.35		
Output voltage	VDC	15.5		
Output power	W	50		
PFC	No			
Safety appliance	Overload and short-circuit proof			
Terminals	VAC Input / VDC Output			

Consists of (Part. No)	Description
-	Power supply 15.5 VDC/50W

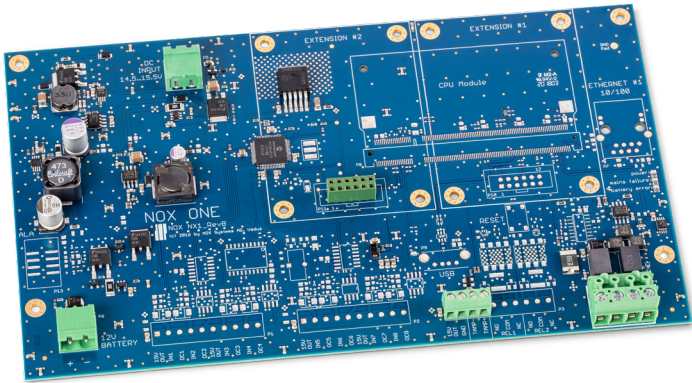
Spare parts for	Spare parts for
N401-G2 NOX ONE Control unit 1 BUS	

Standards							
							ECCN 3A991.a.2

NOX PS1 Electronic Grade 3

NOX PS1 Electronic G3

Part no.: N410-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			100
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			1.5
Output voltage	VDC	15.1	15.5	15.9
Dimensions (LxWxH)	mm	210 x 124		
Weight (with cover, without batteries)	g	150		
Supported batteries	1 x 17 Ah / 12 V			
Tamper monitoring	Integrated using optical Sensor			
Terminals	15.5 VDC Input, Battery, 1x NOX Bus, 1x15 VDC Output			

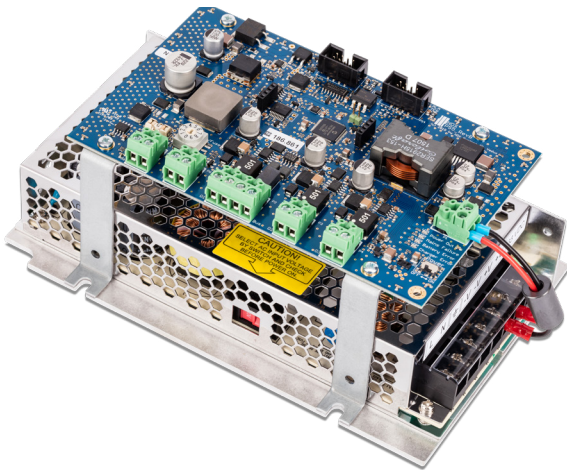
Consists of (Part. No)	Description
N410	NOX PS1 Electronic G3

Supply / Spare parts	Supply / Spare parts
N405 NOX ONE Power Supply 50W	N406 NOX BOX ONE

Standards						
EN 50131 G3	EN 50130-5	EN 61000-6-3	EN 62368-1	EN 50130-4	ECCN 3A991.a.2	

NOX Power supply PS5-G2
NOX PS5 G2, Power Supply 5 A, Components

Part no.: N109-G2



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	200	230	240
AC supply frequency	Hz	47	50	63
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current	A			5
Output voltage	VDC	14	15	15.7
Output power	W		150	
Battery charging current	A	2		4
Dimensions (LxWxH)	mm	220 x 125 x 95		
Weight	kg	1		
Supported batteries	2 x 7 Ah / 12 V up to 2x 85 Ah / 12 V			
PFC	yes			
Safety appliance	Overload and short-circuit proof			
Terminals	Mains Input / Battery, 1x NOX Bus, 3x15 VDC Output			

Consists of (Part. No)	Description
N138-G2	NOX PS5 Electronics G2
N139	AC/DC Power Supply 150 W
-	Brackets PS5 125 x15 x 2 mm and Base Plate
T522	Cable PS5 power supply to electronics

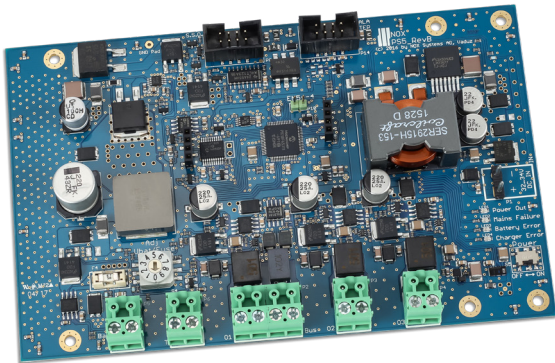
Spare parts for	Spare parts for
N101 NOX SYS (all models)	N264-G3 NOX XL G3

Standards							
EN 50131 G2	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 3A991.a.2	

NOX PS5 Elektronik

NOX PS5 Electronic G2

Part no.: N138-G2



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	30	33	34
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current	A			5
Output voltage	VDC	14	15	15.7
Dimensions (LxWxH)	mm	157 x 98		
Weight	g	150		
PFC	yes			
Supported batteries	2 x 7 Ah / 12 V up to 2x 42 Ah / 12 V			
Tamper monitoring	Using optical Sensor			
Terminals	32.34 VDC Input, Battery, 1x NOX Bus, 3x 15 VDC Output			

Consists of (Part. No)	Description
N138-G2	NOX PS5 Electronics G2
-	Terminal block Combicon PT4p green
-	Terminal block Combicon PT2p green

Spare parts for	Spare parts for
N101 NOX SYS Control unit (all models)	
N264-G3 NOX XL G3	
N104-G2 NOX PS5 G2 in Case	

Standards							
EN 50131 G2	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 3A991.a.2	

NOX Power supply 150W with adapter plate

Spare Part AC/DC Supply 150W w/ plate

Part no.: N260



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	200	230	240
AC supply frequency	Hz	47	50	63
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			95
Output current	A		5	
Output voltage	VDC	31	33	33.5
Output power	W	150		
Dimensions (LxWxH)	mm	198 x 99 x 38.1		
Weight (with cover, without batteries)	g	800		
Terminals	VAC Input / 32.33 VDC Output			

Consists of (Part. No)	Description
-	Adapter plate PS5
N139	AC/DC Power Supply 150W

Spare parts for	Spare parts for
N101 NOX SYS Control unit (all models)	N104-G2 NOX PS5 G2 in Case
N264-G3 NOX XL G3	N104-G3 NOX PS5 G3 in Case

Standards	
-	-

NOX Power supply PS5 Power supply 150 W

AC/DC Power Supply 33 VDC / 150 W

Part no.: N139



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	200	230	240
AC supply frequency	Hz	47	50	63
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			95
Output current	A		5	
Output voltage	VDC	31	33	33.5
Output power	W	150		
Dimensions (LxWxH)	mm	198 x 99 x 38.1		
Weight	g	600		
Terminals	VAC Input / 32.33 VDC Output			

Consists of (Part. No)	Description
N139	AC/DC Power Supply 150 W

Spare parts for	Spare parts for
N101 NOX SYS Control unit (all models)	N104-G2 NOX PS5 G2 in Case
N264-G3 NOX XL G3	N104-G3 NOX PS5 G3 in Case

Standards	
-	-

NOX Power supply in housing

NOX PS1 Power supply Grade 3

NOX ONE PS1 G3, complete supply

Part no.: N409-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	100	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			100
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current for CPU and BUS	A			1.5
Dimensions (LxWxH)	mm	380 x 240 x 101		
Weight with cover, without battery	kg	3.4		
Tamper detection	Using optical sensor			
Back tamper detection	yes, micro switch			
Drilling detection	None			
Space for battery	1 x 17 Ah, Valve Regulated Lead Acid battery (VRLA Type)			
Battery monitoring	With temperature monitoring and tracking of the charging voltage			
Terminals	AC Input, Battery, 1x NOX Bus, 1x15 VDC Output, Tamper switch			
Housing	Steel sheet, 1 mm powder-coated RAL9006 aluminium-white			

Consists of (Part. No)	Description
N405	AC/DC Power Supply 50 W
N406	NOX BOX ONE

Supply / Spare parts	Supply / Spare parts
N405 AC/DC Power Supply 50 W	N406 NOX BOX ONE

Standards						
EN 50131 G3	VdS EN-ST-000302	EN 61000-6-3	EN 62368-1	EN 50130-4	EN 50130-5	ECCN 3A991.a.2

NOX PS5 Power supply Grade 2

NOX PS5 G2, complete supply

Part no.: N104-G2



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	200	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			150
Invironmental temperature	°C		25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current	A			5
Output voltage	VDC	14	15	15.7
Output power	W			150
Dimensions (LxWxH)	mm	604 x 404 x 105		
Weight (with cover, without batteries)	kg	14.9		
Back tamper detection	None			
Drilling detection	None			
Tamper detection	Integrated using optical sensor			
Supported batteries	2 x 17 Ah / 12 V, Valve Regulated Lead Acid batteries (Type VRLA)			
Temperature monitoring for batteries	None			
Terminals	VAC Input, battery, 1xNOX Bus, 2x15 VDC Output			

Consists of (Part. No)	Description
N106	NOX BOX empty, Control Unit Case
N109-G2	NOX PS5 G2, Power Supply 5A, Components

Spare parts	Spare parts
N138-G2 NOX PS5 Electronics	-
N139 Power supply 33VDC/150W	-

Standards							
EN 50131-6 G2	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 3A991.a.2	

NOX PS5 Power supply with Case

NOX PS5 in NOX BOX G3

Part no.: N104-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	200	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			150
Invironmental temperature	°C		25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current	A			5
Output voltage	VDC	14	15	15.7
Output power	W			150
Dimensions (LxWxH)	mm	604 x 404 x 105		
Weight (with cover, without batteries)	kg	14.9		
Back tamper detection	Using optical sensor			
Drilling detection	None			
Tamper detection	Integrated using optical Sensor			
Supported batteries	2 x 17 Ah / 12 V, Valve Regulated Lead Acid batteries (Type VRLA)			
Temperature monitoring for batteries	Using Battery Temperature Sensor, temp. relevant charging voltage			
Terminals	VAC Input, battery, 1xNOX Bus, 2x15 VDC Output			

Consists of (Part. No)	Description
N106	NOX BOX empty, Control Unit Case
N109-G2	NOX PS5 G2, Power Supply 5A, Components
N257	NOX ALA RevA, Back Tamper Sensor
N256	NOX TEP RevA, Battery Temperature Sensor

Spare parts	Spare parts
N138-G2 NOX PS5 Electronics	-

Standards							
EN 50131-6 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1	VSÖ Klasse WS		ECCN 3A991.a.2

NOX PS5 Power supply in BOX XL Grade 3 VdS-C

NOX PS5 in NOX BOX XL G3 VdS-C

Part no.: N265-G3-VDSC



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VAC	200	230	240
AC supply frequency	Hz	47	50	63
Power consumption	VA			280
Invironmental temperature	°C		25	40
Air humidity at +40°C (non condensing)	% rF			93
Output current	A			5
Output voltage	VDC	14	15	15.7
Output power	W			150
Dimensions (LxWxH)	mm	708 x 508 x 184		
Weight (with cover, without batteries)	kg	22		
Back tamper detection	Integrated using optical sensor			
Drilling detection	None			
Tamper detection	Integrated using Integrated optical Sensor			
Supported batteries	Up to 2x40 Ah / 12 V, Valve Regulated Lead Acid batteries (Type VRLA)			
Temperature monitoring for batteries	Using Battery Temperature Sensor, temp. relevant charging voltage			
Terminals	VAC Input, battery, 1xNOX Bus, 2x15 VDC Output			

Consists of (Part. No)	Description
N254	Case NOX BOX XL
N139	AC/DC Power Supply 150W
N138-G2	NOX PS5 Electronics
N256	NOX TEP RevA, Battery Temperature Sensor
N257	NOX ALA RevA, Back Tamper Sensor

Spare parts	Spare parts
N109-G2 NOX Power supply PS5 G2	T522 Cable PS5 Power supply to electronics
T536 cable PS5, Battery pin NOX XL	N109-G2 NOX Power supply PS5 G2

Standards						
EN 50131-6 G3	VdS-C G117009	EN 61000-6-3	EN 62368-1	EN 50130-4	EN 50130-5	ECCN 3A991.a.2
VSÖ Klasse WS						

NOX Keypads

NOX CPA Grade 3 VdS-C

NOX CPA G3 Keypad with LCD

Part no.: N267-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8	15	16
Power consumption at 15VDC	mA	9		72
Power consumption at 9VDC	mA	12		113
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Case protecting class corresponding IEC 60529	IP	20		
Dimensions (LxWxH)	mm	177 x 115 x 25 (without Frame) / 215 x 152 x 6 (with N258)		
Weight (with cover, without batteries)	g	350 (without Frame)		
Tamper detection	Integrated using optical sensor			
Case	Plastic PC/ABS in RAL9006 (Aluminium-white)			
Indicator	Full graphic LCD 128 x 64 pixel			
Backlight	LED white			
Lexan Screen	Light grey with keypad, function button and four status LED's free programmable			
Buzzer	Integrated			
Connecting to the control unit	NOX BUS			
Assembly	Standard on wall / in wall mount available in small and wide			

Consists of (Part. No)	Description
N267-G3	NOX CPA AP G3 Rev.E, Keypad with LCD

Spare parts	Spare parts
N154 BOX NOX CPA AP KS UP BOX Wooden box slim	N308 NOX CPA AP KS UP Frame wide
N258 NOX CPA AP KS UP Frame slim	-
N110 AP-G2 NOX CPA AP Model in aluminium	-

Standards						
EN 50131 G3	VdS-C G117010	EN 61000-6-3	EN 62368-1	EN 50130-4	EN 50130-5	ECCN 50002.c.1
VSÖ Klasse WS						

NOX CPA-M Grade 3 VdS-C

NOX CPA RFID Modul und Keypad mit LCD

Part no.: N266-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8	15	16
Power consumption at 15VDC	mA	9		72
Power consumption at 9VDC	mA	12		113
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Case protecting class corresponding IEC 60529	IP	20		
Dimensions (LxWxH)	mm	177 x 115 x 25 (without Frame) / 215 x 152 x 6 (with N258)		
Weight	g	350		
RFID Reading distance	cm	2-3		
RFID Technology	Supports Mifare DESFire, read UID EV1 und EV2 (no support for fils and sector readings)			
Tamper / Back tamper detection	Integrated using optical sensor			
Case	Plastic PC/ABS in RAL9006 (Aluminium-white)			
Indicator	Full graphic LCD 128 x 64 pixel			
Backlight	LED white			
Lexan Screen	Light grey with keypad and function button			
Buzzer	Integrated			
Connecting to the control unit	NOX BUS			
Assembly	Standard on wall / in wall mount available in small and wide			

Consists of (Part. No)	Description
N266-G3	NOX CPA-M G3 RevE Control Panel with LCD

Spare parts	Spare parts
N154 BOX NOX CPA AP KS UP BOX Wooden box slim	N308 NOX CPA AP KS UP Frame wide
N258 NOX CPA AP KS UP Frame slim	-
N110 AP-G2 NOX CPA AP Model in aluminium	-

Standards						
EN 50131 G3	VdS-C G117010	EN 61000-6-3	EN 62368-1	EN 50130-4	EN 50130-5	ECCN 50002.c.1
VSÖ Klasse WS						

NOX UPK-Z

NOX UPK-Z / Keylock EDIZIOdue

Part no.: N216



Technical data	Unit	Min.	Nominal	Max.
Dimensions (LxWxH)	mm	88 x 88 x 35		
Weight (with cover, without batteries)	g	80 with keylockswitch 150		
Case	Feller Edizio Due designframe, white			
Lock cylinder	Kaba 1008C with 2 keys			
LED	None			
Connecting to the control unit	via NOX BUS I/O module, (No direct NOX Bus connection)			
Output	Potential free contacts			
Assembly	in wall			
Consists of (Part. No)		Description		
N216		NOX UPK-Z, Keylock EDIZIOdue		
Spare parts		Spare parts		
N215 NOX UPK, Keylock without cylinder, without LED		-		
Standards				
				ECCN 50002.c.1

NOX UPK-Z with LED

NOX UPK-ZL / Keylock EDIZIOdue

Part no.: N218



Technical data	Unit	Min.	Nominal	Max.
Dimensions (LxWxH)	mm	88 x 88 x 35		
Weight (with cover, without batteries)	g	80 with Keylock switch 150		
Case	Feller Edizio Due designframe, white			
Lock cylinder	Kaba 1008C with 2 keys			
LED	With 2 colored LEDs			
Connecting to the control unit	via NOX BUS I/O module, (No direct NOX Bus connection)			
Output	Potential free contacts			
Assembly	in wall			
Consists of (Part. No)		Description		
N218		NOX UPK-ZL, Keylock EDIZIOdue		
Spare parts		Spare parts		
N217 NOX UPK-L Keylock s., without Zylinder, w/ 2 LED		N219 NOX UPK-L bk, Keylock, without cylinder, w/ 2 LED, color black		
Standards				
				ECCN 5D002.c.1

NOX Code Keyboards

NOX KPD

NOX KPD AP Alu / Keypad

Part no.: N113



Image with frame wide N261



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	9	15	15.5
Power consumption at 15VDC	mA	15		35
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (LxWxH) On wall	mm	100 x 70 x 23		
Dimensions (LxWxH) In wall	mm	136 x 106 x 23		
Case protecting class corresponding IEC 60529	IP	20		
Tamper detection	Using optical sensor			
Case	Aluminium			
Indicator	State Display w/ two different colored LEDs			
Backlight	LED white			
Lexan Screen	Light grey with keypad and function button			
Buzzer	Integrated			
Connecting to the control unit	NOX BUS			
Assembly	On wall and model UP w/ Frame			

Consists of (Part. No)	Description
N113AP	NOX CPA Keypad

Spare parts	Spare parts
N113 BOX KPD UP BOX, Wooden in-wall boxes for UP	-
N261 NOX KPD UP Frame for in wall mount	-

Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN 50002.c.1

NOX UPE

NOX UPE G2 / Keypad Grade 2

Part no.: N250-G2



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8	15	16
Power consumption at 15VDC	mA	11	20	35
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (LxWxH) Print only	mm	60 x 60 x 35		
Dimensions (LxWxH) w/ in wall frame	mm	88 x 88 x 35		
Case protecting class corresponding IEC 60529	IP	20		
Tamper detection	Using key			
Case	Design Feller EDIZIOdue			
Indicator	State Display w/ two different colored LEDs			
Backlight	No key illumination			
Lexan Screen	Light grey with keypad and function button			
Buzzer	Integrated			
Connecting to the control unit	NOX BUS			
Assembly	in wall			

Consists of (Part. No)	Description
N250-G2	NOX UPE G2, Keypad Grade 2

Spare parts	Spare parts
-	-

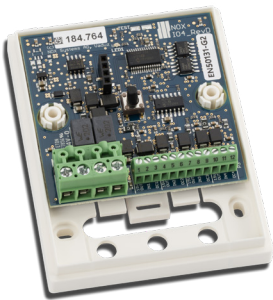
Standards						
EN 50131-3 G2	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 50002.c.1

NOX I/O Modules

NOX IO4 G2

NOX IO4 G2 / Quad I/O Module Grade 2

Part no.: N119-G2



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8	15	16
Current consumption	mA			7
Open Collector Current Output	mA			350
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (LxWxH)	mm	85 x 66 x 27		
Weight w/ Cover	g	95		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white, (DASK Case)			
Tamper monitoring	yes			
Back tamper detection	None			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Connection peripheral	4 Inputs and 4 Open collector outputs, each 350mA (each max. 30m)			

Consists of (Part. No)	Description
N119-G2	NOX IO4 G2, Quad I/O Module Grade 2
T552	DASK Case empty, with screws

Spare parts	Spare parts
-	-

Standards							
EN 50131 G2	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN EAR99

NOX IR3

NOX IR3 / Bus Connection Vanderbilt MAGIC

Part no.: N208

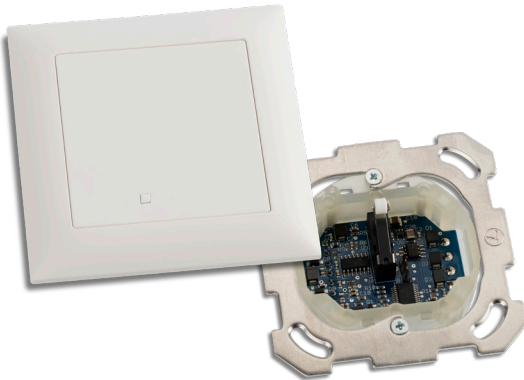


Technical data			Unit	Min.	Nominal	Max.
AC supply voltage			VDC	9	15	16
Current consumption			mA		5	
Electric data of outputs 5V TTL			mA			25
Invironmental temperature			°C	0	25	40
Air humidity at +40°C (non condensing)			% rF			93
Dimensions (LxWxH)			mm	50 x 40 x 15		
Weight (Module only)			g	16		
Case protecting class corresponding IEC 60529			IP	IP corresponding Vanderbilt PDM motion detector		
Case			Delivery without case			
Tamper monitoring			via Vanderbilt PDM motion detector			
Back tamper detection			Via PDM motion detector			
Assembly			Into Vanderbilt PDM motion detector			
Connecting to the control unit			NOX BUS			
Peripheral Connections			3 Inputs (, Tamper, Anti mask) and 2 Outputs			
Consists of (Part. No)			Description			
N208			NOX IR3, Bus Connection Vanderbilt MAGIC			
Spare parts			Spare parts			
-			-			
Standards						
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN EAR99

NOX UP4

NOX UP4 / Quad I/O Module EDIZIOdue

Part no.: N251



Technical data	Unit	Min.	Nominal	Max.
Supply Voltage (VBUS)	VDC	8	15	16
Current consumption	mA	11		17
Open Collector Output	mA			200
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (LxWxH) PCB only	mm	50 x 47 x 19		
Overall Dimensions (LxWxH) with Feller Cover	mm	88 x 88 x 35		
Case protecting class corresponding IEC 60529	IP	20		
Case	Feller mask frame FNr.2911.FMI.61			
Tamper monitoring	Yes			
Back tamper detection	None			
Assembly	In wall with white Feller case FNr.2911.FMI.61			
Connecting to the control unit	NOX BUS			
Peripheral Connections	4 Inputs and 2 Open Collector Outputs, each 200mA max. (each max. 30m)			

Consists of (Part. No)	Description
N251	NOX UP4, Quad I/O Module EDIZIOdue
-	EDIZIOdue assembly recording, BSM
-	EDIZIOdue blank cover, white
-	EDIZIOdue cover, white 1

Spare parts	Spare parts
-	-

Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN EAR99

NOX GM7

NOX GM7 / Bus Connection Vanderbilt Senstec

Part no.: N204

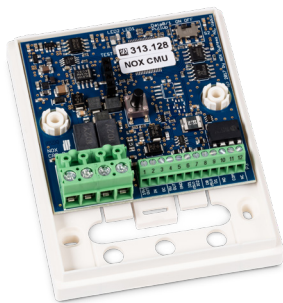


Technical data	Unit	Min.	Nominal	Max.			
AC supply voltage	VDC	8	15	16			
Current consumption	mA		5				
Current open collector Outputs	mA			100			
Invironmental temperature	°C	0	25	40			
Air humidity at +40°C (non condensing)	% rF			93			
Dimensions Print (LxWxH)	mm	67 x 18 x 18					
Weight w/ Cover	g	12					
Case protecting class corresponding IEC 60529	IP	IP corresponding Vanderbilt Senstec detector					
Case	Delivery without case						
Tamper monitoring	Integrated in detector						
Back tamper detection	Integrated in detector						
Assembly	Into Senstec detector						
Connecting to the control unit	NOX BUS						
Connections to GM7xx	2 Inputs and 2 Open Collector Outputs, each 100mA						
Supported detectors	GM7xx Series						
Consists of (Part. No)		Description					
N204		NOX GM7, Bus Connection Vanderbilt Senstec					
Spare parts		Spare parts					
-		-					
Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN EAR99

NOX CMU Grade 3 VdS-C

NOX CMU G3 / Card Reader Interface

Part no.: N232-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8	15	16
Current consumption at 15VDC	mA	12		18
Open Collector Output	mA			25 VDC / 500mA
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (LxWxH)	mm	85 x 66 x 27		
Weight w/ Cover	g	95		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white, (DASK Case)			
Tamper monitoring	Yes			
Back tamper detection	Integrated using optical sensor			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Peripheral Connections	1 Input and 1 Relay Output, potential free (max. 30V/1A) (each max. 30m)			
Offline task cards	Up to 204 card codes saved			
Supported Interface	For Wiegand Interface (up to 80 bits)			

Consists of (Part. No)	Description
N232-G2	NOX CMU G2, Card Reader Interface Grade 2
T552	DASK Case empty, with screws

Spare parts	Spare parts
-	-

Normen							
EN 50131 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1	VdS-C G 117039		ECCN 3A991.a.2

NOX CMO Grade 3 VdS-C

NOX CMO / Card Reader Interface with OSDP protocol

Part no.: N233-G3



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8	15	16
Current consumption at 15VDC	mA	12		18
Open Collector Output	mA			25 VDC / 500 mA
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (LxWxH)	mm	85 x 66 x 27		
Weight w/ Cover	g	95		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white, (DASK Case)			
Tamper monitoring	Yes			
Back tamper detection	Integrated using optical sensor			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Peripheral Connections	1 Input and 1 Relay Output, potential free (max. 30V/1A) (each max. 30m)			
Offline cards	Up to 204 card codes saved			
Supported Interfaces	RS485 with Open Supervised Device Protocol (OSDP) V 2.1.6			
Supported Devices	Two card reader with PIN Code and Hardware I/O's			

Consists of (Part. No)	Description
N233-G3	NOX CMO G3
T552	DASK Case empty, with screws

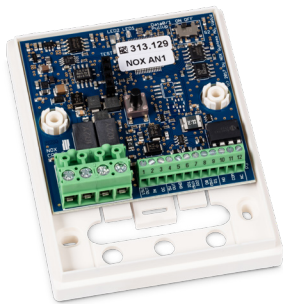
Spare parts	Spare parts
-	-

Standards							
EN 50131 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1	VdS-C G 117039	VSÖ Klasse WS	ECCN 3A991.a.2

NOX AN1

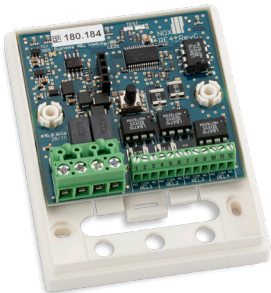
NOX AN1 / Single Analogue Input Module

Part no.: N205



Technical data			Unit	Min.	Nominal	Max.
AC supply voltage			VDC	9.5	15	15.5
Current consumption at 15VDC			mA	7		12
Relay			A			30 VDC / 1A
Invironmental temperature			°C	0	25	40
Air humidity at +40°C (non condensing)			% rF			93
Sensor Input			V	0-10		
Dimensions (LxWxH)			mm	85 x 66 x 27		
Weight w/ Cover			g	95		
Case protecting class corresponding IEC 60529			IP	20		
Case			Plastic white, (DASK Case)			
Tamper monitoring			Yes			
Back tamper detection			Integrated using optical sensor			
Assembly			On wall			
Connecting to the control unit			NOX BUS			
Peripheral Connections			1 Input and 1 Relay Output (each max. 30m)			
Consists of (Part. No)			Description			
N205			NOX AN1			
T552			DASK Case empty, with screws			
Spare parts			Spare parts			
-			-			
Standards						
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN EAR99

NOX RE4 Grade 3 VdS-C
NOX RE4 G3 / Quad Relays Module Grade 3
Part no.: N122-G3

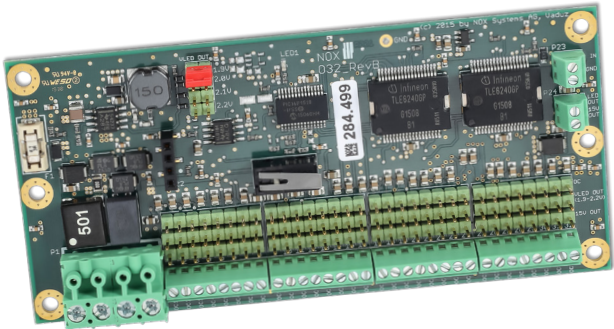


Technical data		Unit	Min.	Nominal	Max.	
AC supply voltage		VDC	8	15	16	
Current consumption at 15VDC		mA			25	
Contact rating per relay @ 40°C permanent		A			30 VDC / 0.6 A	
Contact rating per relay @ 40°C up to 5 min					30 VDC / 1 A	
Contact rating per relay @ 40°C up to 5 ms					30 VDC / 3 A	
Invironmental temperature		°C	0	25	40	
Air humidity at +40°C (non condensing)		% rF			93	
Dimensions (LxWxH)		mm	85 x 66 x 27			
Weight w/ Cover		g	95			
Case protecting class corresponding IEC 60529		IP	20			
Case		Plastic white, (DASK Case)				
Tamper monitoring		yes				
Back tamper detection		Integrated using optical sensor				
Assembly		On wall				
Connecting to the control unit		NOX BUS				
Peripheral Connections		4 programmable electrical relay Outputs (each max. 30m)				
Consists of (Part. No)		Description				
N122-G3		NOX RE4 G3				
Spare parts		Spare parts				
-		-				
Standards						
EN 50131-G3	VdS-C G 117012	EN 61000-6-3	EN 62368-1	EN 50130-4	EN 50130-5	ECCN EAR99
VSÖ Klasse WS						

NOX 032

NOX 032 / Output Module OC 32-times

Part no.: N155

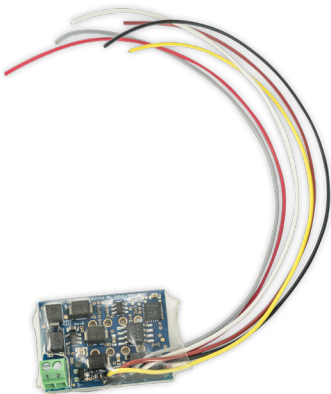


Technical data			Unit	Min.	Nominal	Max.
AC supply voltage			VDC	9	15	15.5
Current consumption at 15VDC			mA		18	
Open Collector Output 32 pcs.s			mA			300 per Output
Invironmental temperature			°C	0	25	40
Air humidity at +40°C (non condensing)			% rF			93
Dimensions (LxWxH)			mm	117 x 55		
Weight (with cover, without batteries)			g	100		
Case protecting class corresponding IEC 60529			IP	20		
Case			None			
Tamper monitoring			Integrated using tamper detector			
Back tamper detection			None			
Assembly			Print only			
Connecting to the control unit			NOX BUS			
Peripheral Connections			1 Input, 32 programmable Open Collector Outputs (each max. 30m)			
Output current oer Open Collector			Max. 300mA			
Consists of (Part. No)			Description			
N155			NOX O32, Output Module OC 32-times			
Spare parts			Spare parts			
-			-			
Standards						
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN EAR99

NOX M31

NOX M31 / Mini I/O Module

Part no.: N121



Technical data			Unit	Min.	Nominal	Max.
AC supply voltage			VDC	9	15	15.5
Current consumption at 15VDC			mA	5		7
Open Collector Output			mA			15 VDC / 50 mA
Invironmental temperature			°C	0	25	40
Air humidity at +40°C (non condensing)			% rF			93
Dimensions (LxWxH)			mm	28 x 20 x 10		
Weight (with cover, without batteries)			g	50		
Case protecting class corresponding IEC 60529			IP	20		
Case			None			
Tamper monitoring			via detector			
Back tamper detection			None			
Assembly			Installation into detector case			
Connecting to the control unit			NOX BUS			
Peripheral Connections			3 Inputs, 1 Open Collector Output			
Output current per Open Collector			Max. 50mA			

Consists of (Part. No)		Description
N121		NOX M31

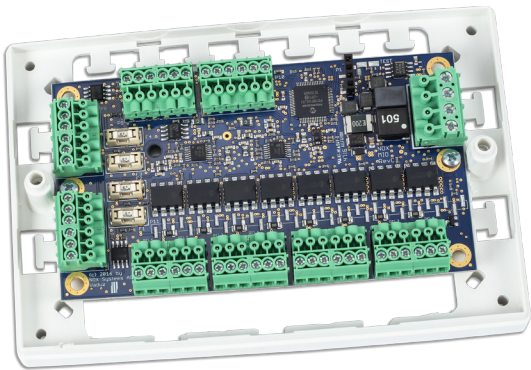
Spare parts		Spare parts
-		-

Standards						
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN EAR99

NOX MIOe

NOX MIOe / Multi I/O Module ext.

Part no.: N209E-G2

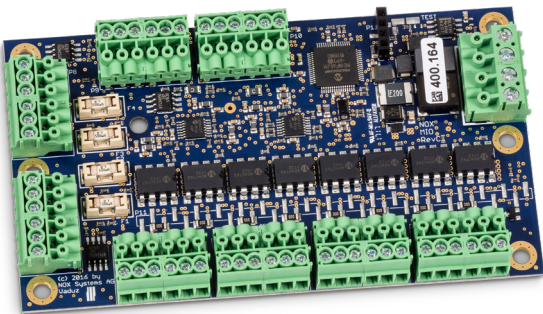


Technical data	Unit	Min.	Nominal	Max.			
AC supply voltage	VDC	8	15	16			
Current consumption at 15VDC	mA	10		80			
Open Collector Output	A			40 VDC / 0.5 A			
Invironmental temperature	°C	0	25	40			
Air humidity at +40°C (non condensing)	% rF			93			
Size print only (LxWxH)	mm	120 x 67.5 x 12					
Dimensions with case (LxWxH)	mm	150 x 100 x 36					
Case protecting class corresponding IEC 60529	IP	20					
Case	Plastic white						
Tamper monitoring	Integrated using optical sensor						
Back tamper detection	Integrated using optical sensor						
Assembly	On wall						
Connecting to the control unit	NOX BUS						
Peripheral Connections	8 Inputs, 8 freely progr. relay Outputs, 6 Open Collector Outputs (each max. 30m)						
Output current each Open Collector	Max. 350mA						
Consists of (Part. No)		Description					
N209E-G2		NOX MIOe					
-		Case reworked for MIOe AP					
Spare parts		Spare parts					
-		-					
Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN 3A991.a.2

NOX MIO Grade 2

NOX MIO / Multi I/O Module internal Grade 2

Part no.: N209-G2



Technical data		Unit	Min.	Nominal	Max.
AC supply voltage		VDC	8	15	16
Current consumption at 15VDC		mA	10		40
Open Collector Output		A			40 VDC / 0.5 A
Invironmental temperature		°C	0	25	40
Air humidity at +40°C (non condensing)		% rF			93
Size print only (LxWxH)		mm	120 x 67.5 x 12		
Size w/ case (LxWxH)		mm	150 x 100 x 36		
Case		Delivery without case			
Tamper monitoring		Integrated using optical sensor			
Back tamper detection		Integrated using optical sensor			
Assembly		In Control unit			
Connecting to the control unit		NOX BUS			
Peripheral Connections		8 Inputs, 8 freely progr. relay Outputs, 6 Open Collector Outputs (each max. 30m)			
Output current each Open Collector		Max. 350mA			

Consists of (Part. No)		Description
N209-G2		NOX MIO G2

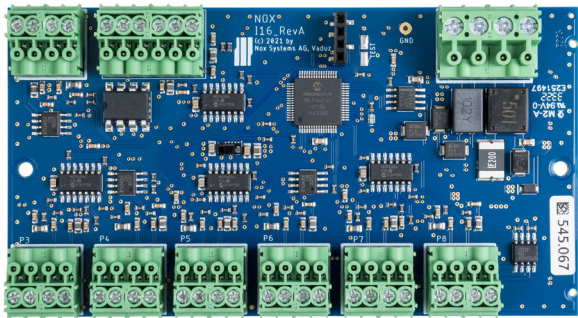
Spare parts		Spare parts
-		Case reworked for MIOe AP
-		Microswitch D2F-01L

Normen						
EN 50131 G2	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 3A991.a.2

NOX I16 Grade 3

NOX I16, I/O Module 16x

Part no.: N210



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	8	15	16
Current consumption at 15VDC	mA	25		
Open Collector Output	A			40 VDC / 0.35 A
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Size print only (LxWxH)	mm	120 x 67.5 x 12		
Size w/ case (LxWxH)	mm	150 x 100 x 36		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white			
Tamper monitoring	Integrated using optical sensor			
Back tamper detection	Integrated using optical sensor			
Assembly	On wall			
Connecting to the control unit	NOX BUS			
Peripheral Connections	16 Inputs and 7 Open Collector Outputs (each max. 30 m)			
Output current each Open Collector	Max. 350 mA			

Consists of (Part. No)	Description
N210	NOX I16 G3

Spare parts	Spare parts
-	-

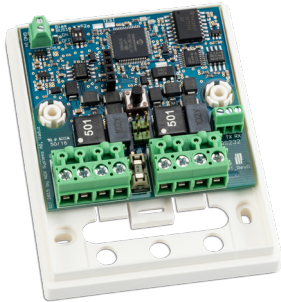
Standards							
EN 50131 G3	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			EAR99

NOX Repeater & Interfaces

NOX RPT Grade 3 VdS-C

NOX RPT/CNV G3 / Bus Repeater/Conv. Grade 3

Part no.: N141-G3

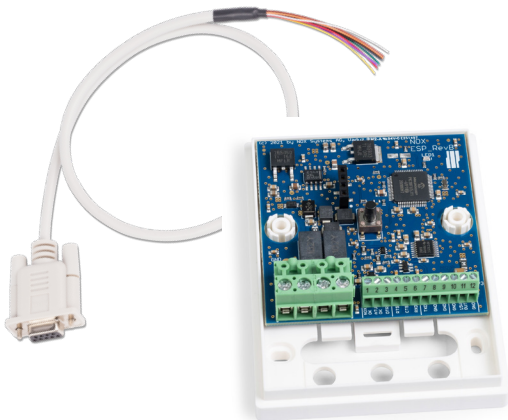


Technical data		Unit	Min.	Nominal	Max.	
AC supply voltage		VDC	8	15	16	
Current consumption		mA		20	40	
Cable length P4 RS232 and P5 external Input		m			3	
Invironmental temperature		°C	0	25	40	
Air humidity at +40°C (non condensing)		% rF			93	
Dimensions (LxWxH)		mm	85 x 66 x 27			
Weight w/ Cover		g	100			
Case protecting class corresponding IEC 60529		IP	20			
Case		Plastic white, (DASK Case)				
Tamper monitoring		Yes				
Back tamper detection		Integrated using optical sensor				
Assembly		On wall				
Connecting to the control unit		NOX BUS				
Peripheral Connections		NOX BUS (new segment) or RS232 (max. 30m)				
Consists of (Part. No)		Description				
N141-G3		NOX RPT/CNV G3, Bus Repeater/Conv. Grade 3				
T552		DASK Case empty, with screws				
Spare parts		Spare parts				
T531 Cable with DB9 PS unit, DB9 cable coupler		-				
Standards						
EN 50131-G3	VdS-C G117013	EN 61000-6-3	EN 62368-1	EN 50130-4	EN 50130-5	ECCN 3A991.a.2
VSÖ Klasse WS						

NOX ESP

NOX ESP / Serial Interface w/ sev. prot.

Part no.: N207-G3

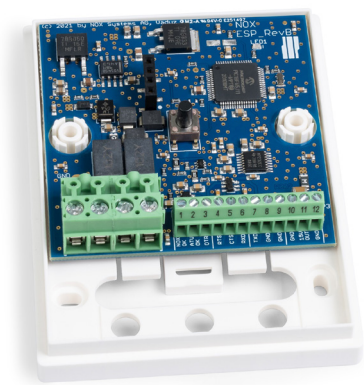


Technical data			Unit	Min.	Nominal	Max.
AC supply voltage			VDC	9	15	15.5
Current consumption			mA	16		18
Data rate RS232			Baud	300	9600	115200
Invironmental temperature			°C	0	25	40
Air humidity at +40°C (non condensing)			% rF			93
Dimensions (LxWxH)			mm	85 x 66 x 27		
Weight w/ Cover			g	135		
Case protecting class corresponding IEC 60529			IP	20		
Case			Plastic white, (DASK Case)			
Tamper monitoring			Yes			
Back tamper detection			None			
Assembly			On wall			
Connecting to the control unit			NOX BUS			
Peripheral Connections			RS232 (Connection to transmission unit) (max. 30m)			
Output			ESPA 4.4.4 / Chiron Iris 800 / SMS Modems			
Consists of (Part. No)			Description			
N147			NOX ESP, Serial Interface w/ sev. prot.			
T552			DASK Case empty, with screws			
T531			Cable with DB9 Plug, DB9 cable coupler			
Spare parts			Spare parts			
-			-			
Standards						
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 3A991.a.2

NOX ESP

NOX ESP / Serial Interface w/ sev. prot.

Part no.: N147-G3



Technical data			Unit	Min.	Nominal	Max.
AC supply voltage			VDC	8	15	16
Current consumption			mA	16		18
Data rate RS232			Baud	300	9600	115200
Invironmental temperature			°C	0	25	40
Air humidity at +40°C (non condensing)			% rF			93
Dimensions (LxWxH)			mm	85 x 66 x 27		
Weight w/ Cover			g	95		
Case protecting class corresponding IEC 60529			IP	20		
Case			Plastic white, (DASK Case)			
Tamper monitoring			Yes			
Back tamper detection			None			
Assembly			On wall			
Connecting to the control unit			NOX BUS			
Peripheral Connections			RS232 (Connection to transmission unit) (each max. 30m)			
Output			ESPA 4.4.4 / Chiron Iris 800 / SMS Modems			
Consists of (Part. No)			Description			
N147			NOX ESP, Serial Interface w/ sev. prot.			
T552			DASK Case empty, with screws			
Spare parts			Spare parts			
T531 Cable with DB9 Plug, DB9 Cable Coupler			-			
Standards						
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 3A991.a.2

NOX ETH

NOX 2nd Ethernet interface

Part no.: N414



Technical data	Unit	Min.	Nominal	Max.
Power supply voltage	VDC		5 / 3.3	
Current consumption	mW			120
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (LxWxH)	mm	73 x 53 x 25		
Connecting to the control unit	Plug-on module (Extension #2)			
Peripheral connections	Ethernet 10/100			
Compatible with the model	NOX ONE			

Hauptbestandteile Artikel Nr.	Artikelbezeichnung
-	
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-	
Zubehör / Ersatzteile	Zubehör / Ersatzteile
-	-

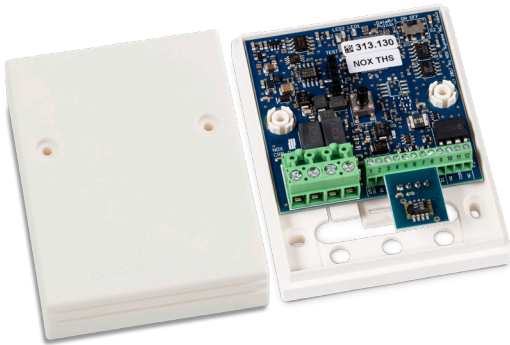
Erfüllte Normen						
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN EAR99

NOX Sensors & Detectors

NOX THSi

NOX THSi (T+H) / Module + internal Sensor

Part no.: N150I

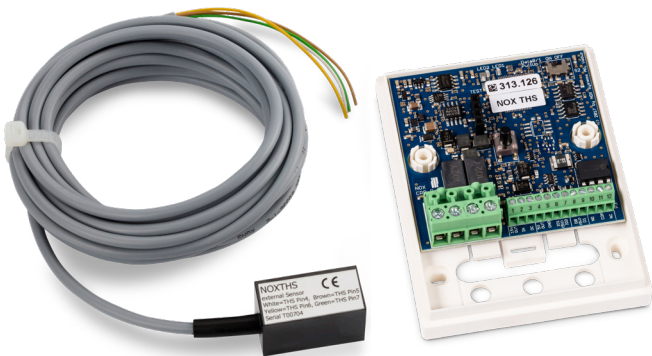


Technisch Daten			Unit	Min.	Nominal	Max.
AC supply voltage			VDC	9	15	15.5
Current consumption at 15VDC			mA	12		14
Relay Output			A			30 VDC / 1 A
Invironmental temperature			°C	0	25	40
Air humidity at +40°C (non condensing)			% rF			93
Dimensions (LxWxH)			mm	85 x 66 x 27		
Weight w/ Cover			g	95		
Case protecting class corresponding IEC 60529			IP	20		
Tested temperature area			°C	0 - +40		
Tested humidity area (Relative Humidity)			RH	0 - 100		
Case			Plastic white, (DASK Case) w/ recess for Sensor			
Tamper monitoring			Yes			
Back tamper detection			Integrated using optical sensor			
Assembly			On wall			
Connecting to the control unit			NOX BUS			
Peripheral Connections			1 Input, 1 freely programmable relay (each max. 30m)			
Contact rating per relay			Max. 30VDC / 1A (permanent 0.6A)			
Consists of (Part. No)			Description			
-			Module THS w/ Temperature Sensor and Humidity Sensor			
-			DASK Case, cover w/ milling			
Spare parts			Spare parts			
-			-			
Standards						
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 3A991.a.2

NOX THSe

NOX THSe (T+H) / Module + external Sensor

Part no.: N150E

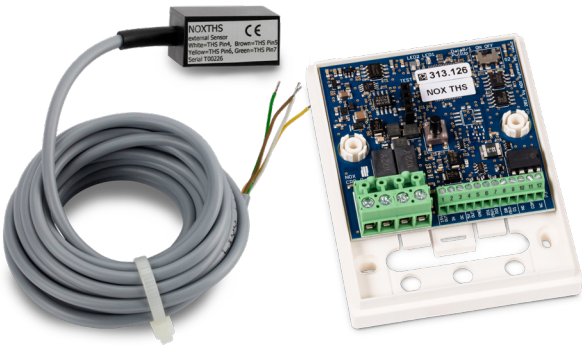


Technical data			Unit	Min.	Nominal	Max.
AC supply voltage			VDC	9	15	16
Current consumption at 15VDC			mA	12		14
Relay Output			A			30 VDC / 1 A
Invironmental temperature			°C	0	25	40
Air humidity at +40°C (non condensing)			% rF			93
Dimensions (LxWxH)			mm	85 x 66 x 27	external Sensor 30 x 20 x15	
Case protecting class corresponding IEC 60529			IP	20	external Sensor IP54	
Weight w/ Cover			g	100		
Tested temperature area			°C	-25 - +75		
Tested humidity area (Relative Humidity)			RH	0 - 100		
Case			Plastic white, (DASK Case)			
Tamper monitoring			Yes			
Back tamper detection			Integrated using optical sensor			
Assembly			On wall			
Connecting to the control unit			NOX BUS			
Peripheral Connections			1 Input, 1 freely programmable relay (each max. 30m)			
Contact rating per relay			Max. 30VDC / 1A (permanent 0.6A)			
Cable length external Sensor			3m			
Consists of (Part. No)			Description			
N191			NOX THS, Meas. Module for T + TH Sensors			
N192TH			NOX THsens, Temperature- + Humiditysensor			
Spare parts			Spare parts			
-			-			
Standards						
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 3A991.a.2

NOX THSt

NOX THSe (T) / Module + external Sensor

Part no.: N150T



Technical data			Unit	Min.	Nominal	Max.
AC supply voltage			VDC	9	15	16
Current consumption at 15VDC			mA	12		14
Relay Output			A			30 VDC / 1 A
Invironmental temperature			°C	0	25	40
Air humidity at +40°C (non condensing)			% rF			93
Dimensions (LxWxH)			mm	85 x 66 x 27	external Sensor 30 x 20 x 15	
Case protecting class corresponding IEC 60529			IP	20	external Sensor IP67	
Weight w/ Cover			g	100		
Tested temperature area			°C	-25 - +75		
Tested humidity area (Relative Humidity)			RH	No humidity testing		
Case			Plastic white, (DASK Case)			
Tamper monitoring			Yes			
Back tamper detection			Integrated using optical sensor			
Assembly			On wall			
Connecting to the control unit			NOX BUS			
Peripheral Connections			1 Input, 1 freely programmable relay (each max. 30m)			
Contact rating per relay			Max. 30VDC / 1A (Permanent 0.6A)			
Cable length external Sensor			3m			
Consists of (Part. No)			Description			
N191			NOX THS, Meas. Module for T + TH Sensors			
N192T			NOX Tsens, Temperature Sensor external			
Spare parts			Spare parts			
-			-			
Standards						
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1		ECCN 3A991.a.2

NOX FLD

NOX FLD / Water Detector + Mounting bracket

Part no.: N802



Technical data			Unit	Min.	Nominal	Max.
AC supply voltage			VDC	8	15	15.5
Current consumption at 15VDC			mA		5	
Open Collector Output						20 V / 200 mW
Invironmental temperature			°C	0	25	40
Case protecting class corresponding IEC 60529			IP	68	Water- and dustproof	
Dimensions (LxWxH)			mm	55 x 39 x 12		
Weight			g	120		
Case			Plastic grey			
Tamper monitoring			No			
Back tamper detection			None			
Assembly			On wall			
Connecting to the control unit			NOX IO1, IO4 or similar			
Peripheral Connections			1 Open collector max. 20V, 200mW normal aktiv (max. 30m)			
Detectable liquids			All with conductivity smaller than 150µs			
Cable length			3m			

Consists of (Part. No)			Description			
N802			NOX FLD, Water Detector + Mounting bracket			

Spare parts			Spare parts			
-			-			

Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN EAR99

NOX ALA

NOX ALA RevA / Back Tamper Sensor

Part no.: N257



Technical data		Unit	Min.	Nominal	Max.
AC supply voltage from NOX PS5		VDC	8	15	16.5
Current consumption at 15VDC		mA		0.5	
Invironmental temperature		°C	0		60
Air humidity at +40°C (non condensing)		% rF			93
Dimensions (LxWxH)		mm	84 x 14 x 12		
Weight w/ Cover		g	30		
Case		Without case			
Tamper monitoring		No			
Back tamper detection		Using optical sensor			
Distance measuring Sensor distance		mm	5	40	100
Assembly		With Connection cable to NOXPS5 (8Pol Ribbon cable)			
Connecting to the control unit		Via NOX PS5 Rev.B			

Consists of (Part. No)		Description
N257		NOX ALA RevA, Back Tamper Sensor

Supplies for		Supplies for
N101 NOX SYS all models		
N264 NOX XL G3		

Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN EAR99

NOX TEP

NOX TEP / RevA, Battery Temperature Sensor

Part no.: N256



Technical data		Unit	Min.	Nominal	Max.
AC supply voltage from NOX PS5		VDC	8	15	16.5
Current consumption at 15VDC		mA			0.1
Invironmental temperature		°C	0		60
Air humidity at +40°C (non condensing)		% rF			93
Dimensions (LxWxH)		mm	33 x 18 x 12		
Weight w/ Cover		g	20		
Case		Without case			
Tamper monitoring		No			
Back tamper detection		No			
Assembly		Into control unit case at the battery			
Connecting to the control unit		Via NOX PS5 Rev.B			

Consists of (Part. No)		Description
N256		NOX TEP RevA, Battery Temperature Sensor

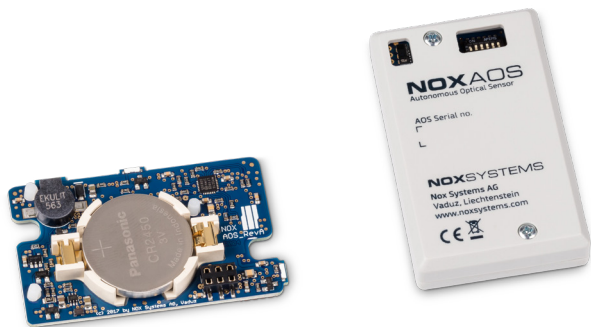
Supplies for		Supplies for
N101 NOX SYS all models		
N264 NOX XL G3		

Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN EAR99

NOX AOS

NOX AOS / picture detector system

Part no.: P103



Technical data	Unit	Min.	Nominal	Max.
Power Supply	battery powered operation with 1x Lithium CR2477			
Battery lifetime	Months	2	3	5
Battery voltage	VDC	2.7	3	3.3
Invironmental temperature	°C	0	25	40
Humidity +40°C	% rF			93
Dimensions (LxBxH)	mm	61 x 38 x 14		
Weight with batbery	g	35		
Housing protection class according to IEC 60529	IP	30		
Case	Plastic grey			
Assembly	Simple assembly			
Connecting to the control unit	Stand Alone solution			
	Via buzzer and visual Led flash			

Consists of (Part. No)	Description
P103	NOX AOS
T705	Battery 1x 3V CR2477

Supplies for	Supplies for
T705 Battery 1x 3V CR2477	-

Standards						
						ECCN EAR99

NOX Wireless Modules



NOX TXO V2

NOX TXO V2 / optical wireless picture detector

Part no.: P118



The LoRa® Mark and Logo are trademarks of Semtech Corporation

Technical data	Unit	Min.	Nominal	Max.
Power supply	Battery running with 2x primary cells Lithium CR2477			
Battery life expectancy	Years	2	3	
Battery voltage	VDC	2.7	3	3.3
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (LxWxH)	mm	75 x 60 x 14		
Weight w/ Cover with battery	g	65		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white			
	Wireless, internal buzzer (disengageable)			
Assembly	With screw or with tape			
Connecting to the control unit	Via NOX LRG Receiver via Ethernet cable			
Wireless range	Inside the building: Several floors			
Frequency band	868 MHz / ISM Band (Industrial, Scientific and Medical Band)			
Wireless technology	Bidirectional, Broad-spectrum modification, encoding AES128			
	Frequency hopping, adaptive power adjustment, automatic search of gateway			
Consists of (Part. No)		Description		
P118		NOX TX0 V2, optical wireless picture detector		
T705		Batteries 2x CR2477		
Spare parts		Spare parts		
-		-		
Standards				
				ECCN 3A991.a.2



NOX LRGv2

NOX LRGv2 / Wireless Gateway with LoRa® v2

Part no.: P225



The LoRa® Mark and Logo are trademarks of Semtech Corporation

Technical data	Unit	Min.	Nominal	Max.
Power supply	external power supply 230VAC/48VDC			
Power input	VDC		48	
Electrical power consumption	W		20	
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (LxWxH)	cm	13 x 13 x 6 (without antenna)		
Weight w/ Cover	kg	1		
Case protecting class corresponding IEC 60529	IP	20		
Case	Metal housing black			
Drill detection	None			
Back tamper detection	None			
Assembly	Indoor			
Connecting to the control unit	via Ethernet cable			
Wireless range	Inside the building: several floors			
Frequency band	868 MHz			
Wireless technology	with the latest loRa ® wireless technology, Bidirectional, Broad-spectrum modification, frequency hopping, adaptive power adjustment			
Consists of (Part. No)		Description		
P225		NOX LRGv2, Wireless Gateway with LoRa®		
incl.		Power supply 230VAC/48VDC		
Spare parts		Spare parts		
P118 NOX TXO V2		T705 Battery 2x 3V CR2477		
Standards				
				ECCN 3A992.c

NOX RXP

NOX RXP / Wireless receiver Paradox Magellan

Part no.: P221



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	9	15	15.5
Current consumption at 15VDC	mA			56
AC supply frequency	Hz			
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (LxWxH)	mm	172 x 155 x 28 (Antenna integrated)		
Weight w/ Cover	g	350		
Case protecting class corresponding IEC 60529	IP	20		
Case	Plastic white			
Tamper monitoring	Mechanical switch			
Back tamper detection	None			
Assembly	On wall			
Connecting to the control unit	NOX Bus			
	Via wireless			
Supported Paradox wireless magnetic contacts	MG DCT-2	DCTXP-2		
Supported Paradox wireless motion contacts	PMD1P	PMD2P		
Supported Paradox wireless broken glass detector	G550			
Supported Paradox wireless fire detector	WS588P			
Supported Paradox Remote controls	REM15	REM2	REM101	
Consists of (Part. No)	Description			
P221	NOX RXP, Wireless Receiver Paradox			
-	Adapter module onto NOX Bus built in ParadoxCase			
Spare parts	Spare parts			
-	-			
Standards				
				ECCN EAR99

NOX Communication

NOX SMSv4

NOX SMSv4 / LTE Modem

Part no.: N280



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	9	15	15.5
Current consumption at 15VDC	mA		50	100
Invironmental temperature	°C	-40	25	85
Air humidity at +40°C (non condensing)	% rF			93
Dimensions Modem (LxWxH)	mm	113.5 x 60		
Dimensions ESP (LxWxH)	mm	85 x 66 x 27		
Weight ESP with Modem	g	400 (ESP Modul 95)		
Case protecting class corresponding IEC 60529	IP	20		
Case ESP	Plastic white, (DASK Case)			
Case Modem	Aluminium			
Antenna connection	SMA Female connection for external antenna			
Wireless technology	LTE release 13 frequencies 4G+3G+2G			
Connecting to the control unit	NOX BUS			
Peripheral Connections	RS232 SMS Modem			

Consists of (Part. No)	Description
N147-G3	NOX ESP
N281	MultiTech Modem LTE, 4G+3.5G+2G
-	Antenna Multiband Paddle with SMA

Spare parts	Spare parts
-	

Erfüllte Normen							
EN 55022 Kl. B	EN 55024	EN 301 511	EN301 489-1	EN301 489-7	IEC 60950-1		ECCN 3A991

NOX MXA Components
NOX MXA Components, Bus Extension

Part no.: N201



Technical data	Unit	Min.	Nominal	Max.
AC supply voltage	VDC	9	15	15.5
Current consumption at 15VDC	mA		50	110
Number of NOX Bus components	Piece			127
Invironmental temperature	°C	0	25	40
Air humidity at +40°C (non condensing)	% rF			93
Dimensions (LxWxH) RPT	mm	85 x 66 x 27		
Dimensions (LxWxH) MXA	mm	80 x 50 x 15		
Weight RPT & MXA	g	300		
Case protecting class corresponding IEC 60529	IP	20		
Case Modem	Aluminium			
Tamper monitoring	None			
Back tamper detection	None			
Connecting to the control unit	Via TCP/IP Ethernet			
Peripheral Connections	Up to 126 NOX BUS components			

Consists of (Part. No)	Description
N903	MOXA N Port 5110 A
-	Cable with DB9 plug
-	DASK Case reworked

Spare parts	Spare parts
-	-

Standards							
EN 50131	EN 50130-4	EN 50130-5	EN 61000-6-3	EN 62368-1			ECCN 5A991

NOX Installation Accessories

NOX Mounting plate 8

Mounting plate 8 empty / for 8 DASK Cases

Part no.: T501



Technical data		Unit	Min.	Nominal	Max.
Dimensions (LxWxH)		mm	300 x 227 x 3		
Base plate		Aluminium			
-		16xM3 thread for the attachment of 8 DASK Cases			
-		3xM3 thread for attaching a 30 mm cable duct			
-		4x4.5 mm drill holes for the assembly of the aluminium plate			
Consists of (Part. No)		Description			
T501		Mounting plate 8 empty, for 8 DASK Cases			
Spare parts		Spare parts			
T552 DASK Case		-			
Standards					

NOX Mounting plate 8 armed, wired

Mounting plate 8 complete w/ DASK Cases

Part no.: T502



Technical data	Unit	Min.	Nominal	Max.
Dimensions (LxWxH)	mm	300 x 227 x 3		
Weight	kg	1.3		
Case protecting class corresponding IEC 60529	IP	20		
Base plate	Aluminium			
Mounting	16xM3 thread for the attachment of 8 DASK Cases			
	3xM3 thread for attaching a 30 mm cable duct			
	4x4.5 mm drill holes for the assembly of the aluminium plate			

Consists of (Part. No)	Description
T501	Mounting plate 8 empty, for 8 DASK Cases
-	Cable duct wide for 8 plates
T552	DASK Case empty, with screws
T527	Cable NOX Bus 8, with 8 Bus Plugs

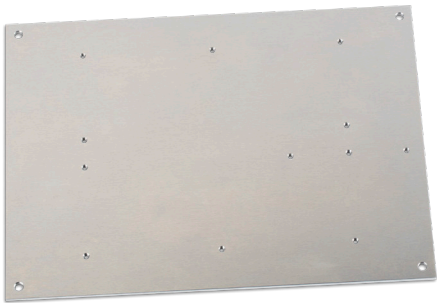
Spare parts	Spare parts
T527 Cable NOX BUS, 8 BUS Plug for assembly plate	-

Standards							

NOX Mounting plate 4

Mounting plate 4 empty / for 4 DASK Cases

Part no.: T505



Technical data		Unit	Min.	Nominal	Max.
Dimensions (LxWxH)		mm	227 x 165 x 3		
Base plate		Aluminium			
Mounting		8xM3 thread for the attachment of 4 DASK Cases			
		2xM3 thread for attaching a 30 mm cable duct			
		4x4.5 mm drill holes for the assembly of the aluminium plate			
Consists of (Part. No)		Description			
T505		Mounting plate 4 empty, for 4 DASK Cases			
Spare parts		Spare parts			
T526 Cable NOX BUS, 4 BUS Plug for assembly plate		T552 DASK Case			
-		Cable duct wide for 4 plates			
Standards					

NOX Mounting plate 4, wired

Mounting plate 4 complete w/ DASK Cases

Part no.: T506



Technical data	Unit	Min.	Nominal	Max.
Dimensions (LxWxH)	mm	227 x 165 x 3		
Weight w/ Cover	g	800		
Case protecting class corresponding IEC 60529	IP	20		
Base plate	Aluminium			
Mounting	8xM3 thread for the attachment of 4 DASK cases			
	2xM3 thread for attaching a 30 mm cable duct			
	4x4.5 mm drill holes for the assembly of the aluminium plate			

Consists of (Part. No)	Description
T505	Mounting plate 4 empty, for 4 DASK Cases
-	Cable duct wide for 4 plates L=300 mm
T552	DASK Case empty, with screws
Z526	Cable NOX Bus 4, with 4 Bus Plugs

Spare parts	Spare parts
-	-

Standards							

NOX BUS connector

NOX BUS connector 4pol. Phoenix green

Part no.: T555



Technical data	Unit	Min.	Nominal	Max.
Connection	4 terminals			
Consists of (Part. No)	Description			
	NOX BUS connector in 20 pieces Set			

NOX I/O connector

NOX I/O connector 6pol. Phoenix green

Part no.: T558



Technical data	Unit	Min.	Nominal	Max.
Connection	6 Terminals			
Consists of (Part. No)	Description			
	NOX BUS connector in 10 pieces Set			

NOX USB Cable

Cable USB to MB RevCx

Part no.: T530



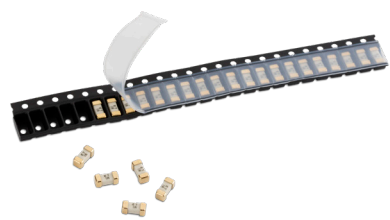
Technical data	Unit	Min.	Nominal	Max.
Size (L)	mm	60		
Connection	USB Cable socket Type A female			
Consists of (Part. No)		Description		
T530		Cable USB to MB RevCx		
Spare parts		Spare parts		
-		-		
Standards				
-		-		

NOX Fuses

NOX Fuse 500mA

SMD Fuse 500mA slow blow, 25 pieces

Part no.: N301



Technical data	Unit			
Producer	Littelfuse			
Type	SMD Fuse Serie 452			
Description	Nano 2 (6.1 x 2.69 mm)			
Size	2410			
Value	500 mA			

NOX Fuse 1A

SMD Fuse 1A slow blow, 25 pieces

Part no.: N302

Technical data	Unit			
Producer	Littelfuse			
Type	SMD Fuse Serie 452			
Description	Nano 2 (6.1 x 2.69 mm)			
Size	2410			
Value	1 A			

NOX Fuse 2A

SMD Fuse 2A slow blow, 25 pieces

Part no.: N303

Technical data	Unit			
Producer	Littelfuse			
Type	SMD Fuse Serie 452			
Description	Nano 2 (6.1 x 2.69 mm)			
Size	2410			
Value	2 A			

NOX Fuse 3A

SMD Fuse 3A slow blow, 25 pieces

Part no.: N304



Technical data	Unit			
Producer	Littelfuse			
Type	SMD Fuse Serie 452			
Description	Nano 2 (6.1 x 2.69 mm)			
Size	2410			
Value	3 A			

NOX Fuse 5A

SMD Fuse 5A slow blow, 25 pieces

Part no.: N305

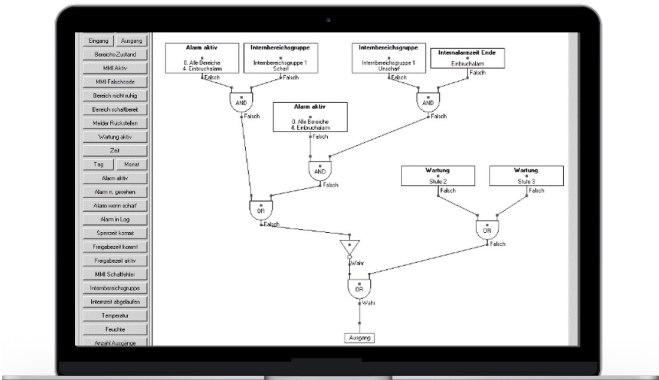
Technical data	Unit			
Producer	Littelfuse			
Type	SMD Fuse Serie 452			
Description	Nano 2 (6.1 x 2.69 mm)			
Size	2410			
Value	5 A			

NOX Software Licenses

SW NOX Config

SW NOX Config, SW NOX Config, Configuration Software

Part no.: S400

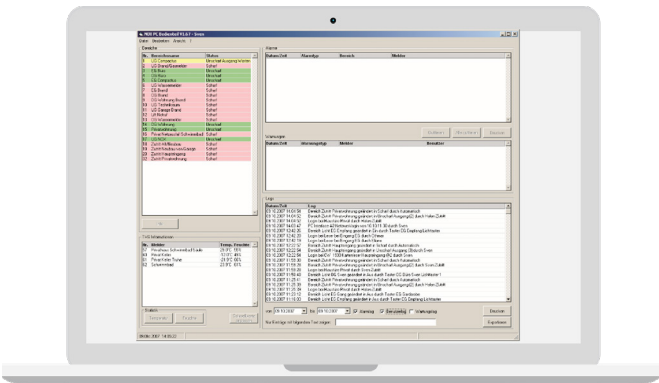


Technical data	
Configuration and maintenance software for the installation of NOX Security systems	
System software update	Managing of custom configurations
Detailed system information	
Maintenance functions	
Retrieval of logs	
Online Terminal window with real time system state information	License: none
	ECCN EAR99

SW NOX PC Control Panel

SW NOX PC Control Panel, PC Software

Part no.: S401

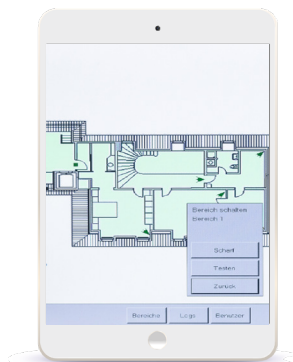


Technical data	
Simple PC Control Panel for the end costumer. Enables an easy and fast operation of the system.	
Setting areas	Control of picture detectors (incl. battery voltage)
Deactivation / activation of detectors	Users and user profile management
Display and acknowledgment of s and warnings	Time profiles and holidays
Display of all system logs	Building floor plan is not supported
Display of current temperature / humidity sensor data / long term statistic	Configuration: no special confiuration needed
Changing of temperature / humidity warning and levels	License: none
	ECCN 50002.c.1 / 5D992.c

SW NOX PCTPA

SW NOX PCTPA License

Part no.: S100



Technical data

The NOX Touch Panel Software (TPA) was made for the usage on PC (with or without Touch Panel). The system can be controlled directly on the building's floor plans. This software can also be used with building automation or home automation panels.

Setting area states	Display of system logs
Deactivation / activation of detectors	User code administration
Display and acknowledgment of s and warnings	
Display of temperature / humidity	License: License per control unit
	ECCN 50002.c.1 / 5D992.c

SW NOX SIMS V6

SW Lizenz für SIMS V6 für Lite/SYS/XL



Bestell Nr.: S410

Technical data

Professional security management system that can be connected up to 512 NOX control units and a maximum of 32 client workstations. Supports various intrusion, fire and building services control panels.

1 License per CPU

Connection with up to 512 NOX control units (via fixed IP addresses) simultaneously, one License required per NOX control unit.

Connection with up to 32 client workstations simultaneously.

ECCN 5D002.c.1 / 5D992.c

SW SIMS V6 ONE

SW Lizenz für SIMS V6 für NOX ONE

Bestell Nr.: S411



Technical data	
Professional security management system that can be connected up to 512 NOX control units and a maximum of 32 client workstations. Supports various intrusion , fire and building services control panels.	
1 License per CPU	
Connection with up to 512 NOX control units (via fixed IP addresses) simultaneously, one License required per NOX control unit.	
Connection with up to 32 client workstations simultaneously.	
ECCN 5D002.c.1 / 5D992.c	

SW NOX Logger

SW NOX Logger, Standalone Logger

Part no.: S402



Technical data	
Saves all system logs for further evaluations as text file on an PC or server. Therefore enables an almost unlimited recording of all system actions (into a text file). Statistic data of all temperature and humidity sensors are also recorded.	
License: free	
ECCN 50002.c.1 / 5D992.c	

NOX Smart Applications Apps

App iNOX
Apple App NOX iNOX

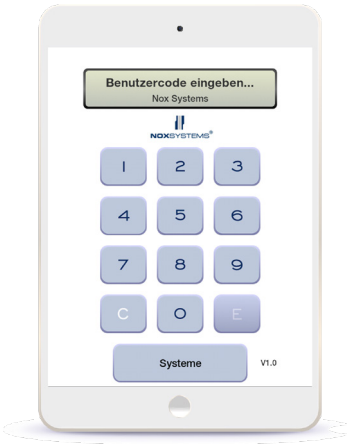
Part no.: ----



Technical data	
App to control the NOX System via smartphones and tablets with iOS operating system. Supports s and warnings, setting areas and the display of log messages of the NOX system.	
One customer-bound license (App Store)	Receive push messages
Temperature and humidity sensors	License: none
Graphical displays of temperature and humidity	ECCN EAR99
User administration	

App NOX for Android
Android App NOX for Android

Part no.: ----



Technical data	
Apps to control the NOX security systems via smartphones, tablets or netbooks with Android operation system. Supports s and warnings, setting areas and the display of log messages of the NOX system and the display of log messages of the NOX system.	
One customer-bound license (PlayStore)	User administration
Display of input states	Receive Push messages
For maintainance: Display NOX Terminal (as in NoxConfig Tool)	License: none
Display and control of output states	ECCN EAR99

SW NOX iNOX IOS
SW NOX iOS License for Floor Plans

Part no.: S408



Technical data	
Adds floor plans and access to live cameras to the iNOX application or NOX for Android.	
NOX security systems can be monitored and controlled directly via ground plans.	
License: per NOX CPU	
	ECCN EAR99

SW NOX Simons Voss SmartIntego
SW License for SimonVoss SmartIntego Lock

Part no.: S409



Simons Voss
technologies

Technical data	
Integration of a LockNode or SmartHandle	
PHI code of the lock	
License: per Handle / Lock	
	ECCN EAR99

SW NOX Offline Door

SW License for Offline Door (Salto/Simons Voss VCN)

Part no.: S412 to S417



Software License	
Integration of Offline Door / License per door from System R9	
SW License Offline Door (Salto/Simons Voss VCN) up to 5 doors	S412
SW License Offline Door (Salto/Simons Voss VCN) up to 10 doors	S413
SW License Offline Door (Salto/Simons Voss VCN) up to 20 doors	S414
SW License Offline Door (Salto/Simons Voss VCN) up to 50 doors	S415
SW License Offline Door (Salto/Simons Voss VCN) up to 100 doors	S416
SW License Offline Door (Salto/Simons Voss VCN) unlimited	S417

SW NOX License Redundant Alarm Transmission

SW License Redundant Alarm Transmission

Part no.: S418

Software License
Software License Redundant Alarm Transmission from System R9 according EN 50136

SW NOX License RestAPI/Cloud Events

SW License RestAPI/Cloud Events

Part no.: S419

Software License
Software License Rest API / Cloud Events from System R9

NOX Software Upgrade

Upgrade Lite -> Prof

SW NOX Control Unit License Lite -> Prof

Part no.: S101

Software Upgrade

Software Upgrade from Lite to Professional

Upgrade Lite -> Corporate

SW NOX Control Unit License Lite -> Corp

Part no.: S102

Software Upgrade

Software Upgrade from Lite to Corporate

Upgrade Prof -> Corporate

SW NOX Control Unit License Prof -> Corp

Part no.: S103

Software Upgrade

Software Upgrade from Professional to Corporate

NOX Software Licenses overview

Software Features NOX SYS & XL



Functionality	Lite	Professional	Corporate	Corporate iOS
Number of Users	50	100	unlimited (100'000)	unlimited (100'000)
Number of Areas	20	40	unlimited (4'000)	unlimited (4'000)
Number of Time profiles	3	5	unlimited (400)	unlimited (400)
Connection to SIMS Control System	yes, with License	yes, with License	yes, with License	yes, with License
Simons Voss Smart Intego	yes	yes	yes	yes
SIA IP	yes	yes	yes	yes
NOX TIO without IP, without Telnet	yes	yes	yes	yes
NOX TIO complete	no	yes	yes	yes
IP BUS Expansion NPort	no	yes	yes	yes
SMTP Alarm by mail	no	yes	yes	yes
SNMP Client Ethernetmanag.	no	yes	yes	yes
Smart App Interface	no	yes	yes	yes
Master / Slave Feature	only for Slave	only for Slave	Master / Slave	Master / Slave
Master Control Unit	no	no	yes	yes
Modbus Server TCP	no	no	yes	yes

Software Features NOX SYS & XL



Functionality	Lite	Professional	Corporate	Corporate iOS
Modbus Client TCP	no	no	yes	yes
iNOX for Floor Plans	no	no	no	yes
Alarm Log	2000	2000	2000	2000
User Log	6000	6000	6000	6000
Archiv User Log	99'999	99'999	99'999	99'999
Maintenance Log	2000	2000	2000	2000

Software Functions NOX ONE

Software limitations	Quantity
Bus Participants	127
Number of Areas	100
Number of Users	1000
User Profiles	20
Number of Time profiles	50
Log entries	10'000



Software Functions	supports	Software Functions	supports
NoxConfig (Configuration / Maintenance)	yes	Standard NOX BUS Components	yes
PC Control Panel	yes	CEI ABI protocol	yes
NOX PC TPA	yes, subject to licensing	Paradox Wireless Receiver	yes
NOX TXO	no	Acter / Glutz Fingerprint Reader	no
SIMS	yes, subject to licensing	EMAIL (smtp)	yes
3. Manufacturer Integration via ActiveX	yes	- Modbus IP server/client - 40 Requests per second with max. 127 Register	yes, from System Version R8 (V10.50w)
iNOX	yes	SSH (secure shell)	no
iNOX Floor plans	yes, subject to licensing	CPUs	no
NOX for Android	yes	SNMP	no
Master/Slave Systems	only for Slave	VdS 2464 IP	no
SIA IP inkl. AES Verschlüsselung	yes	Southwest Microwave Integration	no
NTP Time Synchronisation	yes	IP Buses	no
Simons Voss Smart Intego Integration	yes	NOX Bus Gateways (Thor, S8, etc)	no
NOX TIO mit Ethernet Communication	yes		

Certification/Registration



Certified NOX Components	EN 50131 + SES Grade 2	EN 50131 + SES Grade 3	SSF 1014 Alarm Class 3	VdS Class C	VSÖ Class WS or GS-H, GS-N, P/S
N101-G2 NOX SYS Grade 2	certified				
N101-G3 NOX SYS Grade 3	certified	certified	certified	certified	certified
N101-G4 NOX SYS Grade 4					
N415-G3 NOX ONE T30	certified	certified	certified		
N415-G3-L NOX ONE T30 Lite	certified	certified	certified		
N415-G3-S NOX ONE T30 Slave	certified	certified	certified		
N267-G3 NOX CPA	certified	certified	certified	certified	certified
N266-G3 NOX CPA M	certified	certified	certified	certified	certified
N264-G3 NOX XL Grade 3, VdS-C	certified	certified		certified	certified
N401-G3 NOX ONE Grade 3	certified	certified	certified		certified
N104-G2 NOX PS5 in housing Grade 2	certified				
N104-G3 NOX PS5 in housing Grade 3	certified	certified		certified	certified
N265-G3 NOX PS5 XL Grade 3, VdS-C	certified	certified		certified	certified
N119-G2 NOX IO4 Grade 2	certified				
N119-G3 NOX IO4 Grade 3	certified	certified		certified	
N232-G2 NOX CMU Grade 3	certified	certified	certified	certified	
N233-G3 NOX CMO Grade 3	certified	certified	certified	certified	certified
N122-G3 NOX RE4 Grade 3	certified	certified		certified	certified
N209-G2 NOX MIO Grade 2	certified				
N141-G3 NOX RPT Grade 3	certified	certified		certified	certified

Notes



NOXSYSTEMS

perfecting your sense of security

Your specialist partner

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