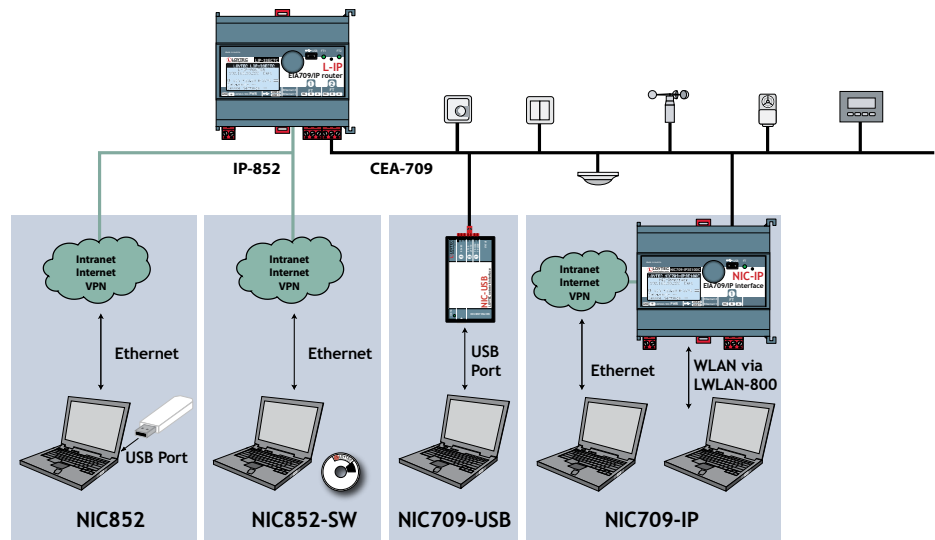


LOYTEC NICs are the most universal network interfaces for CEA-709 and IP-852 (Ethernet/IP) channels. Based on LOYTEC's Core Technologies, they offer high packet rates and short response times. All NICs are fully compatible with products like NL220, ALEX, LonMaker®, and other LNS® applications. The NICs are also compatible with NodeUtil32, NLUtil, OPC servers, and high performance ORION applications.

The multiplexed network interface (MNI) support allows starting multiple LNS® or MIP applications to run in parallel with an LPA on a single network interface.

The built-in VPN function provides for simple VPN setup and secure access to remote sites. The LTE-800 interface enables wireless access to remote sites through a mobile carrier.



Features

- Network interface for TP/FT-10, TP/XF-1250, RS485, and Ethernet/IP (IP-852) channels
- Available for USB and Ethernet port
- Create up to eight network nodes with a single network interface (MNI devices)
- Use the LPA, LSD Tool, your ORION applications, MIP applications, and LNS® (VNI) applications on a single network interface at the same time
- Compatible with BMS e.g. Honeywell EBI, TAC VISTA, etc.
- Compatible with LNS® applications in high performance VNI™ mode e.g. NL220, NLFacilities, NLOPC-VNI, ALEX, LonMaker®, etc.
- Compatible with MIP applications (LDV interface) e.g. NodeUtil32, NLUtil, NLOPC-MIP, Honeywell CARE 5/7, etc.
- Compatible with high performance ORION applications (ORION API)
- NIC852 is fully compatible with L-IP and i.LON® 600 Internet routers
- Use legacy MIP applications together with the IP-852 (Ethernet) channel
- With dual Ethernet, switched or separated (only NIC709-IP3E100C, NIC709-IP1E100C)
- Supports WLAN with LWLAN-800 Interface (only NIC709-IP3E100C, NIC709-IP1E100C)
- Supports LTE with LTE-800 Interface (only NIC709-IP3E100C, NIC709-IP1E100C)
- Runs on Windows 10, Windows Server 2012, Windows Server 2016, Windows Server 2019

NIC Network Interface

NIC709-IP3E100C, NIC709-IP1E100C, NIC709-USB100, NIC852-SW, NIC852

Specifications NIC709-USB100

Type	NIC709-USB100
Dimensions (mm)	120 x 70 x 23 (L x W x H), DIM052
Power supply	Via USB, max. 130 mA
Operating conditions	0 °C to 50 °C, 10 – 90 % RH, noncondensing, degree of protection: IP40, IP20 (terminals)
Interfaces	1 x TP/FT-10 1 x TP/XF-1250 1 x RS-485 (ANSI TIA/EIA-485)
Tools	LOYTEC Network Interface NIC software
Operating system	Windows 10, Windows Server 2012, Windows Server 2016, Windows Server 2019

Resource limits

MNI devices	8 (multiplexed network interfaces)
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Specifications NIC709-IP3E100C (successor of NIC709-IP3E100) and NIC709-IP1E100C (successor of NIC709-IP1E100)

Type	NIC709-IP3E100C	NIC709-IP1E100C
Dimensions (mm)	107 x 100 x 75 (L x W x H), DIM046	
Installation	DIN rail mounting following DIN 43880, top hat rail EN 50022	
Power supply	12-35 VDC / 12-24 V AC ±10 %, typ. 2.5 W	
Operating conditions	0 °C to 50 °C, 10 – 90 % RH, noncondensing, degree of protection: IP40, IP20 (terminals)	
Interfaces	2 x Ethernet (100Base-T): HTTP, FTP, SSH, HTTPS, Firewall, NTP, VNC, SNMP 2 x USB-A: WLAN (needs LWLAN-800) LTE (needs LTE-800)	
	1 x TP/FT-10	1 x TP/XF-1250
Tools	LOYTEC Network Interface NIC Software	
Operating system	Windows 10, Windows Server 2012, Windows Server 2016, Windows Server 2019	

Resource limits

MNI devices	8 (multiplexed network interfaces)
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Specifications NIC852

Power supply	Via USB, max. 50 mA
Interfaces	1 x USB PC connector
Tools	LOYTEC Network Interface NIC software
Operating system	Windows 10, Windows Server 2012, Windows Server 2016, Windows Server 2019

Resource limits

MNI devices	8 (multiplexed network interfaces)
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Order number	Product description
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NIC709-USB100	USB interface, connects to the USB port of a PC, supports LonMark TP/FT-10, TP/XF-1250, TP/RS-485 channels
NIC709-IP3E100C	Remote network interface (RNI), PC connection via Ethernet or WLAN, for a LonMark TP/FT-10 channel
NIC709-IP1E100C	Remote network interface (RNI), PC connection via Ethernet or WLAN, for a LonMark TP/XF-1250 channel
NIC852	Floating license via USB hardlock key, uses Ethernet port of PC to connect to LonMark IP-852 channel
NIC852-SW	Software license for one PC, uses Ethernet port of PC to connect to LonMark IP-852 channel
LPOW-2415B	Power supply unit with power connector 24 VDC, 15 W
LWLAN-800	Wireless LAN Interface IEEE 802.11bgn
LT-03	Network terminator, 1 x TP/FT-10 or TP/LPT-10 (bus or free topology), 1 x Network Access Connector RJ45
LT-13	Network terminator, 1 x TP/FT-10 or TP/LPT-10 (bus or free topology), 1 x TP/XF-1250
LT-33	Network terminator, 2 x TP/FT-10 or TP/LPT-10 (bus or free topology)
LTE-800	LTE Interface