


Industrial Automation - Products & Configurations

CODE	NETcore [®] X for MB1291 MPI/PROFIBUS Fieldbus Modules > note 1
0AIPA842	NETcore [®] X for MB1291 for Siemens MPI
0AIPA840	NETcore [®] X for MB1291 for PROFIBUS SLAVE
0AIPA841	NETcore [®] X for MB1291 for PROFIBUS MASTER

NETcore [®] X for MB1291 PROFIBUS MASTER / SLAVE TECHNICAL CARACTERISTICS	
Controller chip	Hilscher NetX 100
Processor	ARM 926EJ-S, 200 MIPS • cache 16 KB for commands + 8 KB for instructions • internal RAM 144 KB, 16 KB of which with external power supply • internal ROM 32 KB with boot-loader and Real-Time-Kernel
Application memory	512 KB SDRAM soldered on-board
Connector type	DSub 9-pin female • RS-485, isolated
Supported operating systems	Windows 7 Pro 32/64bit, Windows 7 Ultimate 32/64bit, Windows 10 IoT Enterprise 2016 64bit
Supported protocols	Profibus (Master / Slave), MPI x SIEMENS S7-300/400 PLC
Data rate	9.6 Kbaud ÷ 12 Mbaud
Operating temperature	0 ÷ + 50°C
Diagnostics LEDs	STATUS, ERROR
Power supply	3,3 V DC and 5 V DC

CODE	NETcore [®] X for MB1291 CANopen Fieldbus Modules > note 1
0AIPA843	NETcore [®] X for MB1291 for CANopen SLAVE
0AIPA844	NETcore [®] X for MB1291 for CANopen MASTER

NETcore [®] X for MB1291 CANopen MASTER / SLAVE TECHNICAL CARACTERISTICS	
Controller chip	Hilscher NetX 100
Processor	ARM 926EJ-S, 200 MIPS • cache 16 KB for commands + 8 KB for instructions • internal RAM 144 KB, 16 KB of which with external power supply • internal ROM 32 KB with boot-loader and Real-Time-Kernel
Application memory	512 KB SDRAM soldered on-board
Connector type	DSub 9-pin male • ISO 11898, isolated
Supported operating systems	Windows 7 Pro 32/64bit, Windows 7 Ultimate 32/64bit, Windows 10 IoT Enterprise 2016 64bit
Supported protocols	CANopen (Master / Slave)
Data rate	10 Kbaud ÷ 1 Mbaud
Operating temperature	0 ÷ + 50°C
Diagnostics LEDs	STATUS, ERROR
Power supply	3,3 V DC and 5 V DC

CODE	NETcore [®] X for MB1291 Ethernet Fieldbus Modules > note 1
0AIPA845	NETcore [®] X for MB1291 Ethernet for PROFINET DEVICE (Slave) protocol
0AIPA846	NETcore [®] X for MB1291 Ethernet for PROFINET CONTROLLER (Master) protocol
0AIPA847	NETcore [®] X for MB1291 Ethernet for EtherNet/IP Adapter (Slave) protocol
0AIPA848	NETcore [®] X for MB1291 Ethernet for EtherNet/IP Scanner (Master) protocol

NETcore [®] X for MB1291 Ethernet MASTER / SLAVE TECHNICAL CARACTERISTICS	
Controller chip	Hilscher NetX 100
Processor	ARM 926EJ-S, 200 MIPS • cache 16 KB for commands + 8 KB for instructions • internal RAM 144 KB, 16 KB of which with external power supply • internal ROM 32 KB with boot-loader and Real-Time-Kernel
Application memory	512 KB SDRAM soldered on-board
Connector type	2 x RJ45
Supported operating systems	Windows 7 Pro 32/64bit, Windows 7 Ultimate 32/64bit, Windows 10 IoT Enterprise 2016 64bit
Supported protocols	Ethernet/IP, PROFINET RT > note 2
Data rate	10 ÷ 100 Mbps
Operating temperature	0 ÷ + 50°C
Diagnostics LEDs	STATUS, ERROR
Power supply	3,3 V DC and 5 V DC

WARNINGS	
1:	NETcore [®] X for MB1291 cards can work and can be sold only on ASEM IPCs VK3200 family systems. NETcore X cards are not compatible with SIEMENS software products like WinCC and STEP 7 due to the fact that these software works only with SIEMENS hardware.
2:	EtherCAT, Powerlink and SERCOS III (M/S) protocols upon request


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CODE	NETcore® X Fieldbus Module "26pin" connector for MPI/PROFIBUS protocols > note 1
0AIPA902	NETcore® X "26pin" connector for Siemens MPI
0AIPA900	NETcore® X "26pin" connector for PROFIBUS SLAVE
0AIPA901	NETcore® X "26pin" connector for PROFIBUS MASTER

NETcore® X for PROFIBUS MASTER / SLAVE TECHNICAL CARACTERISTICS	
Controller chip	Hilscher NetX 100
Processor	ARM 926EJ-S, 200 MIPS • cache 16 KB for commands + 8 KB for instructions • internal RAM 144 KB, 16 KB of which withexternal power supply • internal ROM 32 KB with boot-loader and Real-Time-Kernel
Application memory	512 KB SDRAM soldered on-board
Connector type	DSub 9-pin female • RS-485, isolated
Supported operating systems	Windows 7 Pro 32/64bit, Windows 7 Ultimate 32/64bit, Windows 10 IoT Enterprise 2016 64bit
Supported protocols	Profibus (Master / Slave), MPI x SIEMENS S7-300/400 PLC
Data rate	9.6 Kbaud ÷ 12 Mbaud
Operating temperature	0 ÷ + 50°C
Diagnostics LEDs	STATUS, ERROR
Power supply	3,3 V DC and 5 V DC

CODE	NETcore® X Fieldbus Modules "26pin" connector for CANopen protocol > note 1
0AIPA903	NETcore® X "26pin" connector for CANopen SLAVE
0AIPA904	NETcore® X "26pin" connector for CANopen MASTER

NETcore® X for CANopen MASTER / SLAVE TECHNICAL CARACTERISTICS	
Controller chip	Hilscher NetX 100
Processor	ARM 926EJ-S, 200 MIPS • cache 16 KB for commands + 8 KB for instructions • internal RAM 144 KB, 16 KB of which withexternal power supply • internal ROM 32 KB with boot-loader and Real-Time-Kernel
Application memory	512 KB SDRAM soldered on-board
Connector type	DSub 9-pin male • ISO 11898, isolated
Supported operating systems	Windows 7 Pro 32/64bit, Windows 7 Ultimate 32/64bit, Windows 10 IoT Enterprise 2016 64bit
Supported protocols	CANopen (Master / Slave)
Data rate	10 Kbaud ÷ 1 Mbaud
Operating temperature	0 ÷ + 50°C
Diagnostics LEDs	STATUS, ERROR
Power supply	3,3 V DC and 5 V DC

CODE	NETcore® X Fieldbus Modules "26pin" connector for Ethernet protocols > note 1
0AIPA909	NETcore® X "26pin" connector Ethernet for EtherCAT SLAVE protocol
0AIPA910	NETcore® X "26pin" connector for Ethernet for EtherCAT MASTER protocol
0AIPA905	NETcore® X "26pin" connector Ethernet for PROFINET DEVICE (Slave) protocol
0AIPA906	NETcore® X "26pin" connector for Ethernet for PROFINET CONTROLLER (Master) protocol
0AIPA907	NETcore® X "26pin" connector Ethernet for EtherNet/IP Adapter (Slave) protocol
0AIPA908	NETcore® X "26pin" connector for Ethernet for EtherNet/IP Scanner (Master) protocol

NETcore® X for Ethernet MASTER / SLAVE TECHNICAL CARACTERISTICS	
Controller chip	Hilscher NetX 100
Processor	ARM 926EJ-S, 200 MIPS • cache 16 KB for commands + 8 KB for instructions • internal RAM 144 KB, 16 KB of which withexternal power supply • internal ROM 32 KB with boot-loader and Real-Time-Kernel
Application memory	512 KB SDRAM soldered on-board
Connector type	2 x RJ45
Supported operating systems	Windows 7 Pro 32/64bit, Windows 7 Ultimate 32/64bit, Windows 10 IoT Enterprise 2016 64bit
Supported protocols	EtherCAT, Ethernet/IP, PROFINET RT > note 2
Data rate	10 ÷ 100 Mbps
Operating temperature	0 ÷ + 50°C
Diagnostics LEDs	STATUS, ERROR
Power supply	3,3 V DC and 5 V DC

WARNINGS	
1:	NETcore® X "26pin" connector modules can work and can be sold only on ASEM IPCs HT/PB2200, HT/PB3200 and HT/PB3400 family systems. NETcore X cards are not compatible with SIEMENS software products like WinCC and STEP 7 due to the fact that these software works only with SIEMENS hardware.
2:	Powerlink and SERCOS III (M/S) protocols upon request


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CODE	NETcore® X Fieldbus Module "60pin-H" connector for MPI/PROFIBUS protocols > note 1
0AIPA913	NETcore® X "60pin-H" connector for Siemens MPI
0AIPA911	NETcore® X "60pin-H" connector for PROFIBUS SLAVE
0AIPA912	NETcore® X "60pin-H" connector for PROFIBUS MASTER

NETcore® X for PROFIBUS MASTER / SLAVE TECHNICAL CARACTERISTICS	
Controller chip	Hilscher NetX 100
Processor	ARM 926EJ-S, 200 MIPS • cache 16 KB for commands + 8 KB for instructions • internal RAM 144 KB, 16 KB of which with external power supply • internal ROM 32 KB with boot-loader and Real-Time-Kernel
Application memory	512 KB SDRAM soldered on-board
Connector type	DSub 9-pin female • RS-485, isolated
Supported operating systems	Windows Embedded Compact 7, CE 6.0, Windows Embedded Standard 2009, Windows XP Pro, Windows 7 Pro 32/64bit, Windows 7 Ultimate 32/64bit
Supported protocols	Profibus (Master / Slave), MPI x SIEMENS S7-300/400 PLC
Data rate	9.6 Kbaud ÷ 12 Mbaud
Operating temperature	0 ÷ + 50°C
Diagnostics LEDs	STATUS, ERROR
Power supply	3,3 V DC and 5 V DC

CODE	NETcore® X Fieldbus Modules "60pin-H" connector for CANopen protocol > note 1
0AIPA914	NETcore® X "60pin-H" connector for CANopen SLAVE
0AIPA915	NETcore® X "60pin-H" connector for CANopen MASTER

NETcore® X for CANopen MASTER / SLAVE TECHNICAL CARACTERISTICS	
Controller chip	Hilscher NetX 100
Processor	ARM 926EJ-S, 200 MIPS • cache 16 KB for commands + 8 KB for instructions • internal RAM 144 KB, 16 KB of which with external power supply • internal ROM 32 KB with boot-loader and Real-Time-Kernel
Application memory	512 KB SDRAM soldered on-board
Connector type	DSub 9-pin male • ISO 11898, isolated
Supported operating systems	Windows Embedded Compact 7, CE 6.0, Windows Embedded Standard 2009, Windows XP Pro, Windows 7 Pro 32/64bit, Windows 7 Ultimate 32/64bit
Supported protocols	CANopen (Master / Slave)
Data rate	10 Kbaud ÷ 1 Mbaud
Operating temperature	0 ÷ + 50°C
Diagnostics LEDs	STATUS, ERROR
Power supply	3,3 V DC and 5 V DC

CODE	NETcore® X Fieldbus Modules "60pin-H" and "60pin-L" connectors for Ethernet protocols > note 2
Only for QT/HT/PB/BM3400 - 3600 and BM3300 - 3500 system families - "60pin-H" connector	
0AIPA920	NETcore® X "60pin-H" connector for Ethernet for EtherCAT SLAVE protocol
0AIPA921	NETcore® X "60pin-H" connector for Ethernet for EtherCAT MASTER protocol
0AIPA916	NETcore® X "60pin-H" connector for Ethernet for PROFINET DEVICE (Slave) protocol
0AIPA917	NETcore® X "60pin-H" connector for Ethernet for PROFINET CONTROLLER (Master) protocol
0AIPA918	NETcore® X "60pin-H" connector for Ethernet for EtherNet/IP Adapter (Slave) protocol
0AIPA919	NETcore® X "60pin-H" connector for Ethernet for EtherNet/IP Scanner (Master) protocol
Only for QT/HT/PB/BM2150 system families - "60pin-L" connector	
0AIPA926	NETcore® X "60pin-L" connector for Ethernet for EtherCAT SLAVE protocol
0AIPA927	NETcore® X "60pin-L" connector for Ethernet for EtherCAT MASTER protocol
0AIPA922	NETcore® X "60pin-L" connector for Ethernet for PROFINET DEVICE (Slave) protocol
0AIPA923	NETcore® X "60pin-L" connector for Ethernet for PROFINET CONTROLLER (Master) protocol
0AIPA924	NETcore® X "60pin-L" connector for Ethernet for EtherNet/IP Adapter (Slave) protocol
0AIPA925	NETcore® X "60pin-L" connector for Ethernet for EtherNet/IP Scanner (Master) protocol

NETcore® X for Ethernet MASTER / SLAVE TECHNICAL CARACTERISTICS	
Controller chip	Hilscher NetX 100
Processor	ARM 926EJ-S, 200 MIPS • cache 16 KB for commands + 8 KB for instructions • internal RAM 144 KB, 16 KB of which with external power supply • internal ROM 32 KB with boot-loader and Real-Time-Kernel
Application memory	512 KB SDRAM soldered on-board
Connector type	2 x RJ45
Supported operating systems	Windows Embedded Compact 7, CE 6.0, Windows Embedded Standard 2009, Windows XP Pro, Windows 7 Pro 32/64bit, Windows 7 Ultimate 32/64bit
Supported protocols	EtherCAT, Ethernet/IP, PROFINET RT > note 3
Data rate	10 ÷ 100 Mbps
Operating temperature	0 ÷ + 50°C
Diagnostics LEDs	STATUS, ERROR
Power supply	3,3 V DC and 5 V DC

WARNINGS	
1:	NETcore® X "60pin-H" connector modules can work and can be sold only on ASEM IPCs HT/PB/BM3400, BM3300 and HT/PB/BM2150 family systems. NETcore X cards are not compatible with SIEMENS software products like WinCC and STEP 7 due to the fact that these software works only with SIEMENS hardware.
2:	NETcore® X "60pin-H" connector modules can work and can be sold only on ASEM IPCs HT/PB/BM3400 and BM3300 family systems. NETcore® X "60pin-L" connector modules can work and can be sold only on ASEM IPCs HT/PB/BM2150 family systems. NETcore X cards are not compatible with SIEMENS software products like WinCC and STEP 7 due to the fact that these software works only with SIEMENS hardware.
3:	Powerlink and SERCOS III (M/S) protocols upon request