


Industrial Automation - Products & Configurations

CODE	NETcore [®] X APCI MPI/PROFIBUS Fieldbus Modules > note 1
0AIPA730	NETcore [®] X APCI for Siemens MPI
0AIPA720	NETcore [®] X APCI for PROFIBUS SLAVE
0AIPA721	NETcore [®] X APCI for PROFIBUS MASTER

NETcore [®] X APCI 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, 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 APCI CANopen Fieldbus Modules > note 1
0AIPA710	NETcore [®] X APCI for CANopen SLAVE
0AIPA711	NETcore [®] X APCI for CANopen MASTER

NETcore [®] X APCI 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, 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 APCI Ethernet Fieldbus Modules > note 1
0AIPA700	NETcore [®] X APCI Ethernet SLAVE for ETHERCAT protocol
0AIPA701	NETcore [®] X APCI Ethernet MASTER for ETHERCAT protocol
0AIPA702	NETcore [®] X APCI Ethernet for PROFINET DEVICE protocol
0AIPA703	NETcore [®] X APCI Ethernet for PROFINET CONTROLLER protocol
0AIPA704	NETcore [®] X APCI Ethernet for EtherNet/IP Adapter (Slave) protocol
0AIPA705	NETcore [®] X APCI Ethernet for EtherNet/IP Scanner (Master) protocol

NETcore [®] X APCI 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, 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

NOTES	
1:	NETcore X APCI cards can work and can be sold on ASEM iPCs only; they do not work and cannot be sold separately and/or installed on iPCs of other manufacturers, since they've been engineered and built with a customized PCI bus named APCI, ASEM PCI. 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 MiniAPCI MPI/PROFIBUS Fieldbus Modules > note 1
0AIPA780	NETcore® X MiniAPCI for Siemens MPI
0AIPA770	NETcore® X MiniAPCI for PROFIBUS SLAVE
0AIPA771	NETcore® X MiniAPCI for PROFIBUS MASTER

NETcore® X MiniAPCI 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, 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 MiniAPCI CANopen Fieldbus Modules > note 1
0AIPA760	NETcore® X MiniAPCI for CANopen SLAVE
0AIPA761	NETcore® X MiniAPCI for CANopen MASTER

NETcore® X MiniAPCI 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, 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 MiniAPCI Ethernet Fieldbus Modules > note 1
0AIPA750	NETcore® X MiniAPCI Ethernet SLAVE for ETHERCAT protocol
0AIPA751	NETcore® X MiniAPCI Ethernet MASTER for ETHERCAT protocol
0AIPA752	NETcore® X MiniAPCI Ethernet for PROFINET DEVICE protocol
0AIPA753	NETcore® X MiniAPCI Ethernet for PROFINET CONTROLLER protocol
0AIPA754	NETcore® X MiniAPCI Ethernet for EtherNet/IP Adapter (Slave) protocol
0AIPA755	NETcore® X MiniAPCI Ethernet for EtherNet/IP Scanner (Master) protocol

NETcore® X MiniAPCI 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, 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 MiniAPCI cards can work and can be sold on ASEM iPCs only; they do not work and cannot be sold separately and/or installed on iPCs of other manufacturers, since they've been engineered and built with a customized PCI bus named MiniAPCI (ASEM MiniAPCI). 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 for MB1021 MPI/PROFIBUS Fieldbus Modules > note 1
0AIPA814	NETcore® X for MB1021 for Siemens MPI
0AIPA812	NETcore® X for MB1021 for PROFIBUS SLAVE
0AIPA813	NETcore® X for MB1021 for PROFIBUS MASTER

NETcore® X for MB1021 PROFIBUS MASTER / SLAVE TECHNICAL CARACHTERISTICS	
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 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 for MB1021 CANopen Fieldbus Modules > note 1
0AIPA810	NETcore® X for MB1021 for CANopen SLAVE
0AIPA811	NETcore® X for MB1021 for CANopen MASTER

NETcore® X for MB1021 CANopen MASTER / SLAVE TECHNICAL CARACHTERISTICS	
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 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 for MB1021 Ethernet Fieldbus Modules > note 1
0AIPA815	NETcore® X for MB1021 Ethernet SLAVE for ETHERCAT protocol
0AIPA816	NETcore® X for MB1021 Ethernet MASTER for ETHERCAT protocol
0AIPA817	NETcore® X for MB1021 Ethernet for PROFINET DEVICE protocol
0AIPA818	NETcore® X for MB1021 Ethernet for PROFINET CONTROLLER protocol
0AIPA819	NETcore® X for MB1021 Ethernet for EtherNet/IP Adapter (Slave) protocol
0AIPA820	NETcore® X for MB1021 Ethernet for EtherNet/IP Scanner (Master) protocol

NETcore® X for MB1021 Ethernet MASTER / SLAVE TECHNICAL CARACHTERISTICS	
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 Embedded Standard 2009, Windows XP Pro, Windows 7 Pro 32/64bit, Windows 7 Ultimate 32/64bit
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	
<p>NETcore® X for MB1021 cards can work and can be sold only on ASEM IPCs WS/FT/PB550 and WS/FT/PB650 family systems.</p> <p>1: 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.</p> <p>2: Powerlink and SERCOS III (M/S) protocols upon request</p>	