



Communication

INDUSTRIAL COMMUNICATION

VERSION 2020|1

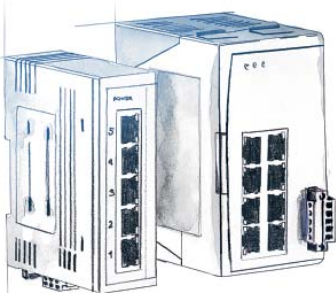
ETHERNET SWITCHES

CONVERTERS

DEVICE SERVERS

MEDIA CONVERTERS

PC EXPANSION CARDS



 **spectra**
Industrie-PC & Automation

THE COMPANY

Spectra GmbH & Co. KG was established in 1982 and has grown to become a leading supplier of products directly and indirectly related to industrial computer applications in Germany. Spectra's activities included trading in components for measurement and automation technology and the development and

production of industrial PC systems. Customers for industrial high-tech products attach especially high importance to good service. For Spectra as a supplier of high quality products, competent and personal customer support in both pre- and post-sales is of key importance.

A strong team: competent and personal customer support in both pre- and post-sales





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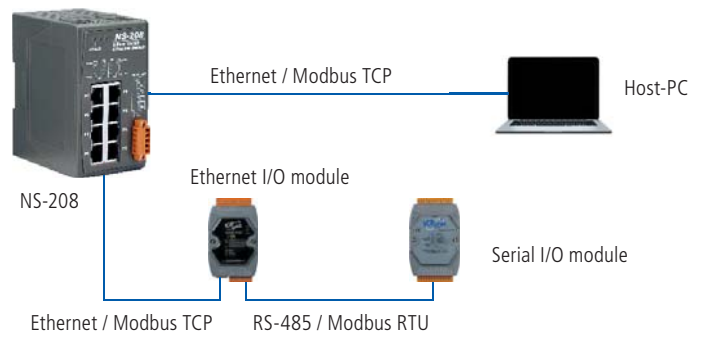
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UNMANAGED ETHERNET SWITCHES

APPLICATION OF AN UNMANAGED ETHERNET SWITCH



OVERVIEW

Item No.	Model	Ports	Speed	Type	Connector	Operating Temp.	Note
Unmanaged, standard							
117857	NS-205 CR	5	10/100 Mbit	Twisted pair	RJ45	-40°C to +75°C	-
113245	NS-208 CR	8					
114576	NS-208G CR	8	Gigabit	Twisted pair	RJ45	-40°C to +75°C	-
122540	NS-205G CR	5					
130173	NS-205AG CR						
127053	NS-208R CR	8	10/100 Mbit	Twisted pair	RJ45	-40°C to +75°C	Suitable for railway use (EN 50155)
121658	NS-205R CR	5					
127051	NS-208A CR	8	10/100 Mbit	Twisted pair	RJ45	-40°C to +75°C	12 to 548VDC
126097	IES-1240	24	10/100 Mbit	Twisted pair	RJ45	-40°C to +70°C	IP30 metal chassis
126096	IES-1160	16					
119877	IES-1050A	5	10/100 Mbit	Twisted pair	RJ45	-40°C to +70°C	Slim design, IP30 metal chassis
119878	IES-1080A	8					
123683	IGS-1050A	5	Gigabit	Twisted pair	RJ45	-40°C to +70°C	Slim design, IP30 metal chassis
126089	IGS-1080A	8					
Unmanaged, with fiber optics							
114813	JetNet 3010G	7+3	7 x 10/100 Mbit 3 x Gigabit	Twisted pair fiber, SFP	RJ45 RJ45/SFP Combo	-20°C to +70°C	Redundant voltage supply
128447	JetNet 3008f-m V3	6+2	6 x 10/100 Mbit	Twisted pair	RJ45	-10°C to +70°C	Redundant voltage supply
128314	JetNet 3008f-mw V3		2 x 10/100 Mbit	fiber, multi mode	SC	-40°C to +75°C	
119738	JetNet 3008f-s V3		6 x 10/100 Mbit	Twisted pair	RJ45	-10°C to +70°C	
128315	JetNet 3008f-sw		2 x 10/100 Mbit	fiber, single mode	SC	-40°C to +75°C	
114577	NS-205FT CR	4+1	4 x 10/100 Mbit 1 x 100 Mbit	Twisted pair	RJ45, ST	0°C to +70°C	Redundant voltage supply
114575	NS-205FC CR			fiber, multi mode	RJ45, SC		
114669	NS-205FCS CR			fiber, single mode	RJ45, SC		
115836	NS-206FT CR	4+2	4 x 10/100 Mbit 2 x 100 Mbit	Twisted pair	RJ45, ST	0°C to +70°C	Redundant voltage supply
115837	NS-206FC CR			fiber, multi mode	RJ45, SC		
114526	NS-206FCS CR			fiber, single mode	RJ45, SC		
121671	NS-209FT CR	8+1	8 x 10/100 Mbit 1 x 100 Mbit	Twisted pair	RJ45, ST	0°C to +70°C	Redundant voltage supply
121672	NS-209FC CR			fiber, multi mode	RJ45, SC		
121673	NS-209FCS CR			fiber, single mode	RJ45, SC		
129250	NS-205AFT-T CR	4+1	4 x 10/100 Mbit 1 x 100 Mbit	Twisted pair	RJ45, ST	-30°C to +75°C	Slim design
129251	NS-205AFC-T CR			fiber, multi mode	RJ45, SC		
129252	NS-205AFCS-T CR			fiber, single mode	RJ45, SC		
129253	NS-205AFCS-60T CR			Twisted pair, fiber, sm	RJ45, SC		
129156	NS-206AFT-T CR	4+2	4 x 10/100 Mbit 2 x 100 Mbit	Twisted pair	RJ45, ST	-30°C to +75°C	Slim design
129106	NS-206AFC-T CR			fiber, multi mode	RJ45, SC		
129107	NS-206AFCS-T CR			fiber, single mode	RJ45, SC		
129108	NS-206AFCS-60T CR			Twisted pair, fiber, sm	RJ45, SC		
Unmanaged, with Power over Ethernet (PoE)							
120923	NS-205PSE CR	5	5 x 10/100 Mbit, davon 4 x PoE	Twisted pair	RJ45	-40°C to +75°C	PoE (802.3af)
123629	NS-205PSE-24V CR						PoE (802.3af), 24 V Boost
123092	NS-208PSE CR	8	10/100 Mbit	Twisted pair	RJ45	-40°C to +75°C	PoE (802.3af), slim design
123093	NSM-208PSE CR		Gigabit				PoE (802.3af), IP30 metal chassis
126120	IGPS-1080A	8	Gigabit	Twisted pair	RJ45	-40°C to +70°C	PoE+ (802.3at)
126121	IGPS-1080-24V						PoE+ (802.3at), 24 V Boost
Unmanaged, with PoE & fiber optics							
124598	NS-205PFT CR	4+1	4 x 10/100 Mbit 1 x 100 Mbit	Twisted pair	RJ45, ST	-30°C to +75°C	PoE (802.3af)
124599	NS-205PFC CR			fiber, multi mode	RJ45, SC		PoE (802.3af)
124600	NS-205PFCS CR			Twisted pair	RJ45, SC		PoE (802.3af), distance 30 km
124601	NS-205PFCS-60 CR			fiber, single mode	RJ45, SC		PoE (802.3af), distance 60 km
142088	NSM-205GP CR	4G+1G	4 x Gigabit 100 Mbit/Gigabit	Twisted pair fiber, SFP-Port	RJ45	-40°C to +75°C	PoE+ (802.3at), IP30 metal chassis, redundant voltage supply

MANAGED ETHERNET SWITCHES

EXAMPLE APPLICATION OF A MANAGED HIGH POWER POE SWITCH



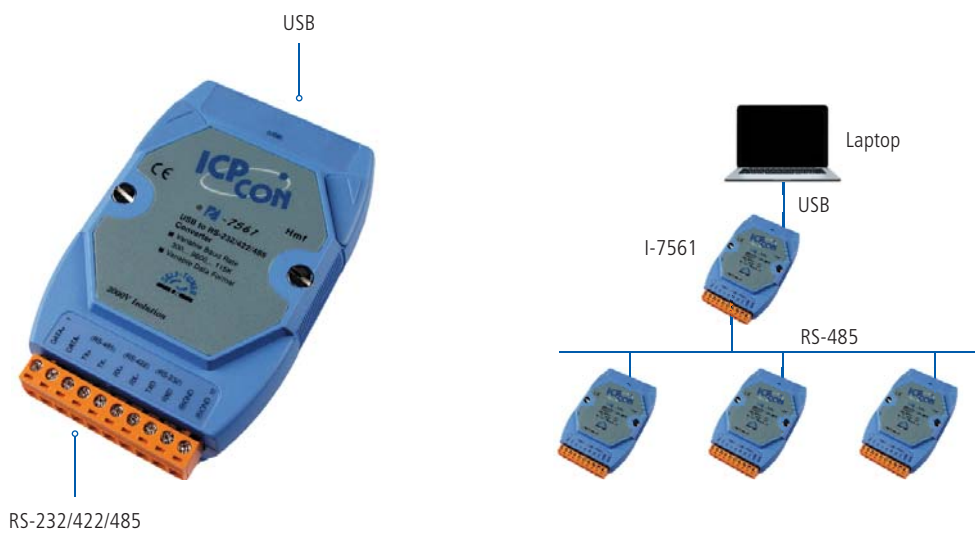
OVERVIEW

Item No.	Model	Ports	Speed	Type	Connector	Operating Temp.	Note	
Managed, standard								
125552	JetNet 4508 (V2)	8	10/100 Mbit	Twisted pair	RJ45	-25°C to +70°C	Super Ring, Web, CLI, Telnet, SNMP	
128310	JetNet 4508w (V2)					-40°C to +75°C		
Managed, with fiber optics								
128469	JetNet 4508f-m (V2)	6+2	6 x 10/100 Mbit 2 x 100 Mbit	Twisted pair fiber, multi mode	RJ45, SC	-25°C to +70°C	Super Ring, Web, CLI, Telnet, SNMP	
128251	JetNet 4508f-mw (V2.2)			-40°C to +75°C				
128470	JetNet 4508f-s (V2)			Twisted pair fiber, single mode	RJ45, SC	-25°C to +70°C		
128311	JetNet 4508f-sw (V2)			-40°C to +75°C				
118372	JetNet 4510	7+3	7 x 10/100 Mbit 3 x 10/100 Mbit	Twisted pair fiber, SFP	RJ45 RJ45/SFP Combo	-25°C to +70°C	Super Ring, Web, CLI, Telnet, SNMP	
125760	JetNet 4510-w			-40°C to +75°C				
114812	JetNet 5010G	7+3G	7 x 10/100 Mbit 3 x 100 Mbit / Gigabit	Twisted pair fiber, SFP	RJ45 RJ45/SFP Combo	-25°C to +70°C	Super Ring, Web, CLI, Telnet, SNMP	
128308	JetNet 5010G-w			-40°C to +75°C				
125100	JetNet 6059G	4G+5G	4 x Gigabit 5 x Gigabit	Twisted pair fiber, SFP	RJ45 RJ45/SFP Combo	-25°C to +70°C	Super Ring, Web, CLI, Telnet, SNMP, Full Gigabit	
125524	JetNet 6059G-w			-40°C to +75°C				
Managed, with PoE & fiber optics								
128317	JetNet 5310G	8+2G	8 x 10/100 Mbit 2 x 100 Mbit / Gigabit	Twisted pair fiber, SFP	RJ45 RJ45/SFP Combo	-40°C to +75°C	Super Ring, Web, CLI, Telnet, SNMP, PoE+ (802.3at)	
Rack, managed, with fiber optics								
124629	JetNet 5628G-2AC	24+4G	24 x 10/100 Mbit or 18 x 100 Mbit 4 x Gigabit Combo	Twisted pair fiber, RJ45/SFP Combo	RJ45 RJ45/SFP Combo	-40°C to +85°C	Modular, 2 x 85-264 VAC Power substation, suitable for railway use	
147653	JetNet 6528Gf-AC-DC24	16G+12G	16 x Gigabit 8 x Gigabit 4 x 100 Mbit / Gigabit	Twisted pair Twisted pair/fiber fiber, SFP	RJ45 RJ45/SFP Combo	-40°C to +75°C	AC and 24VDC, power substation, suitable for railway use	
142083	JetNet 6852G	48G+4G	48 x Gigabit 4 x Gigabit	Twisted pair fiber, SFP	RJ45 SFP slot	-10°C to +55°C	Layer 3, metal chassis	100-240 VAC
142085	JetNet 6852G-DC48						48 VDC	
142086	JetNet 7850G-2XG	48G + 2 x 10G	48 x Gigabit 2 x 10 Gigabit	Twisted pair fiber, SFP	RJ45 SFP slot	-10°C to +55°C	10G uplink ports, Layer 3, metal chassis	100-240 VAC
142087	JetNet 7850G-2XG-DC48						48 VDC	



CONVERTERS

SCHEMATIC DIAGRAM OF AN USB TO SERIAL CONVERTER

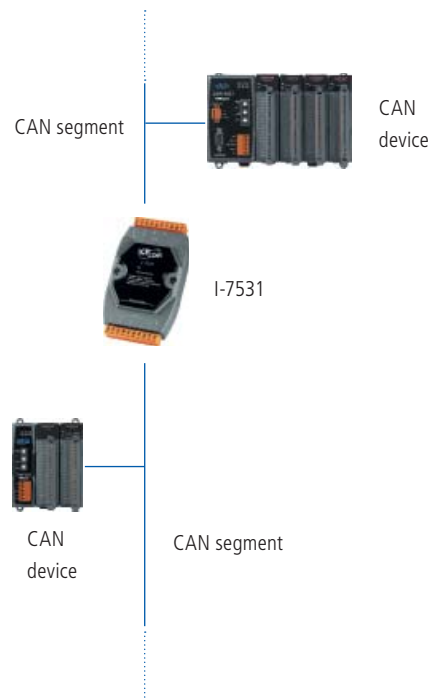


OVERVIEW

Item No.	Model	Description	max. Baud Rate	Feature	Software / Driver	Note
RS-232						
113306	I-7520 CR	RS-232 to RS-485	115.2 kbps	Auto baud & Auto direction	Independent	RS-232 isolated, 3000 V
113307	I-7520R CR					RS-485 isolated, 3000 V
118035	I-7520A CR	RS-232 to RS-422/485				RS-232 isolated, 3000 V
117960	I-7520AR CR					RS-422/485 isolated, 3000 V
123538	I-7520U4-G CR	RS-232 to 4 x RS-485				RS-232 isolated, 2500 V
RS-485						
118467	µPAC-7186EX-MTCP-G CR	Modbus TCP Slave to Modbus RTU Master	115.2 kbps	1 x RS-232 1 x RS-485	Configuration utility	RS-485 2-wire operation, Virtual COM port driver
113817	I-7521 CR	RS-485 to 1 x RS-232	115.2 kbps	Auto baud & Auto direction	Configuration utility	RS-485 isolated, 3000 V
113828	I-7522 CR	RS-485 to 2 x RS-232				
113816	I-7523 CR	RS-485 to 3 x RS-232				
113897	I-7524 CR	RS-485 to 4 x RS-232				
113899	I-7527 CR	RS-485 to 7 x RS-232				
USB						
118037	I-7561 CR	USB to RS-232/422/485	115.2 kbps	Voltage supply via USB	Windows® XP/Vista/7, Linux	isolated 3000 V, Plug'n Play
131551	I-7561U CR		921.6 kbps		Windows® XP/Vista/7/8, Linux	
113902	I-7563 CR	USB to 3 x RS-485	115.2 kbps	Voltage supply via USB	Windows® XP/Vista/7, Linux	isolated 3000 V, Plug'n Play
131712	I-7563U CR		921.6 kbps		Windows® XP/Vista/7/8, Linux	
130550	JetCon 1102	USB to 2 x RS-232	921.6 kbps	Voltage supply via USB	Windows® XP/Vista/7, Linux	15 kV ESD-Protection, handshake
130551	JetCon 1104	USB to 4 x RS-232				
112316	Wandlerkabel	USB 1.1 to RS-232	115.2 kbps	Voltage supply via USB	Windows® 7/8/8.1/10	Hardware handshake & remote wake-up
112315	Wandlerstecker	USB 2.0 to RS-232			Windows® 7/8/8.1/10, Server 2008R2/2012R2	
112887	Wandlerstecker	USB 2.0 to RS-485			2-wire read/write operation	
Fieldbus						
115888	I-7530-G CR	RS-232 to CANbus	115.2 kbps	CAN 2.0A / CAN 2.0B	Configuration utility	Isolation 3000 V CANbus-side
119111	I-7530A-G CR	RS-232/422/485 to CANbus				
116800	I-7565-G CR	USB to CANbus	CAN: 1Mbps	CAN 2.0A / CAN 2.0B CANopen	Windows® XP/Vista/7, Linux	Isolation 3000 V CANbus-side
123871	I-7565-CPM CR	USB to CANopen				
121706	I-7565-DNM CR	USB to DeviceNet	CAN: 500 kbps	DeviceNet		
120807	I-7540D-G CR	Ethernet to CANbus	CAN: 1 Mbps	additionally 1 x RS-232 and 1 x RS-485	Webinterface, configuration utility	Isolation 2500 Vrms CANbus-side
127725	GW-5492 CR	BACnet/IP to Modbus RTU	115.2 kbps	1 x RS-232/485 1 x Ethernet	Web interface	BIBB (BACnet Interoperability Building Blocks)
127726	GW-5493 CR	BACnet/IP to Modbus TCP	10/100 Mbps	1 x RS-232 1 x Ethernet		
128029	I-7550-B CR	PROFIBUS to RS-232/422/485	12 Mbps PROFIBUS-side	RS-232/RS-422/RS-485	PROFIBUS DP-VO (Slave) protocol	Isolation 3000 Vrms PROFIBUS-side
142788	I-7550E CR	PROFIBUS to Ethernet		TCP Server/Client mode	Webbrowser	
128085	GW-7552-B CR	PROFIBUS to Modbus RTU/ASCII	12 Mbps PROFIBUS-side	Modbus master and slave mode	Configuration utility	Isolation 3000 Vrms PROFIBUS-side
128086	GW-7553-B CR	PROFIBUS to Modbus TCP				
144746	GW-7662 CR	PROFINET to Modbus RTU/ASCII	460.8 kbps	Modbus master and slave mode	GSDML file	PROFINET I/O device class B
142768	I-7580 CR	PROFINET to RS-232/422/485	460.8 kbps	Input/output buffer 512/384 byte	GSDML file	PROFINET I/O device class B
145571	MDC-714 CR	Modbus Data Concentrator	115.2 kbps	Modbus TCP slave	Built-in webserver	Shared memory 9600 register
124981	HRT-710 CR	Modbus RTU to HART	115.2 kbps	Modbus RTU slave	Configuration utility	Up to 15 HART modules
131553	HRT-711 CR	Modbus TCP to HART		Modbus TCP slave		

HUBS, REPEATERS, ISOLATORS

SCHEMATIC DIAGRAM OF A CANBUS REPEATER



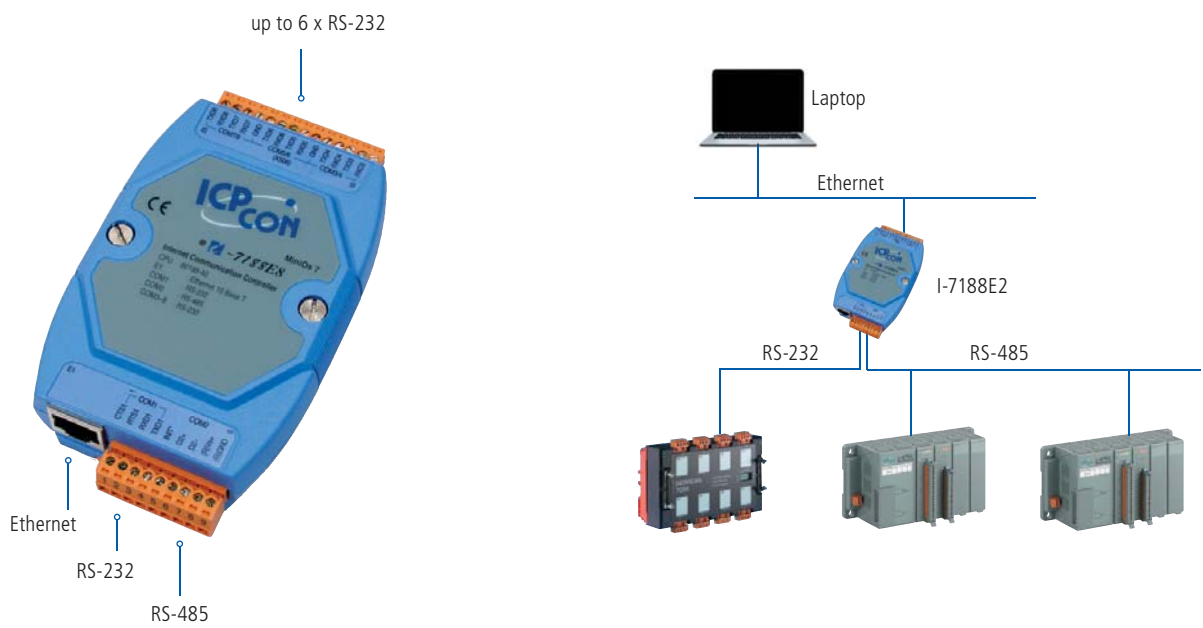
OVERVIEW

Item No.	Model	Description	max. Baud Rate	Feature	Software	Note
Serial						
113303	I-7510 CR	RS-485 Repeater	115.2 kbps	Auto baud & Auto direction (RS-485)	independent	2-wire operation
113304	I-7510A CR	RS-422/485 Repeater				2- and 4-wire operation
113904	I-7510AR CR					
113956	I-7551 CR	RS-232 Isolator	115.2 kbps	Auto baud, handshake with CTS, RTS	independent	Isolation 3750 V port to port
113305	I-7513 CR	RS-485 to 3 x RS-485 Hub	115.2 kbps	3-port Hub	independent	RS-485 input: isolated, 3000 V
124220	I-7514U-G CR	RS-485 to 4 x RS-485 Hub	115.2 kbps	4-port Hub	independent	Channel 1 to 4: isolated, 2500 V
CAN						
118402	I-7531-G CR	CANbus Repeater	800 kbps	isolated CAN segments	-	Isolation 2500 Vrms between 2 CAN ports
126673	I-2534 CR	CANbus Hub	1 Mbps	star or tree topology	Configuration utility	4 CAN-ports
120374	I-7532-G CR	CANbus Bridge	1 Mbps	CAN segments with different baud rates	Baud rate per switch	Isolation 2500 Vrms between 2 CAN ports
USB						
122687	USB-2560 CR	USB Hub	480 Mbps	4 x USB 2.0 Type A	independent	Supports high speed and full speed



DEVICE SERVERS

SCHEMATIC DIAGRAM OF AN ETHERNET TO RS-232/422/485 DEVICE SERVER



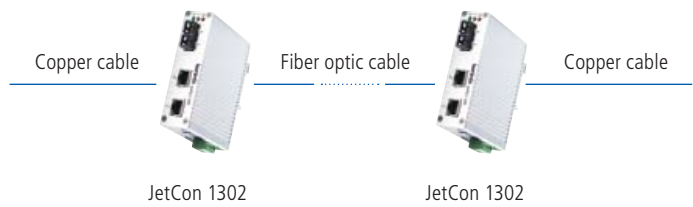
OVERVIEW

Item No.	Model	Description	Interface Type	max. Baud Rate	Software / Driver	Note
Repeaters						
113953	I-7188E1 CR	Ethernet to RS-232/422/485	1 x RS-232	115.2 kbps	Virtual COM port driver Windows® XP/2003/2008/ Vista/7/8/10 (32-/64-bit)	10Base-T, TCP/IP, TCP, UDP, IP, ICMP, ARP, RARP
116851	I-7188E1D CR					- 7-segment LED display
113954	I-7188E2 CR	Ethernet to RS-232/422/485	1 x RS-232 1 x RS-485	115.2 kbps	Virtual COM port driver Windows® XP/2003/2008/ Vista/7/8/10 (32-/64-bit)	10Base-T, TCP/IP, TCP, UDP, IP, ICMP, ARP, RARP
114931	I-7188E2D CR					- 7-segment LED display
114352	I-7188E4 CR	Ethernet to RS-232/422/485	3 x RS-232 1 x RS-485	115.2 kbps	Virtual COM port driver Windows® XP/2003/2008/ Vista/7/8/10 (32-/64-bit)	10Base-T, TCP/IP, TCP, UDP, IP, ICMP, ARP, RARP
116853	I-7188E4D CR					- 7-segment LED display
115886	I-7188E5-485 CR	Ethernet to RS-232/422/485	1 x RS-232 4 x RS-485	115.2 kbps	Virtual COM port driver Windows® XP/2003/2008/ Vista/7/8/10 (32-/64-bit)	10Base-T, TCP/IP, TCP, UDP, IP, ICMP, ARP, RARP
116855	I-7188E5D-485 CR					- 7-segment LED display
114476	I-7188E8 CR	Ethernet to RS-232/422/485	7 x RS-232 1 x RS-485	115.2 kbps	Virtual COM port driver Windows® XP/2003/2008/ Vista/7/8/10 (32-/64-bit)	10Base-T, TCP/IP, TCP, UDP, IP, ICMP, ARP, RARP
114713	I-7188E8D CR					- 7-segment LED display
112628	JetPort 5201	Ethernet to RS-232	1 x 10/100 Mbps	460.8 kbps	Windows® XP/2003/Vista	DHCP, BootP, Telnet, TCP, UDP, IP, ICMP, ARP, RARP, SNMP, HTTP, SMTP.
146104	JetPort 5601-EU V3.0	Ethernet to RS-232/422/485	2 x 10/100 Mbps Daisy Chain or redundant	921.6 kbps	Windows® XP/2003/ Vista/7/8/10 (32-/64-bit)	Up to 5 simultaneous serial connections



MEDIA CONVERTERS

SCHEMATIC DIAGRAM OF A MEDIA CONVERTER FOR ETHERNET



OVERVIEW

Item No.	Model	Description	Cable interface	Fiber optics interface	Note
Ethernet					
113609	JetCon 1301-m	Ethernet to fiber optics	1 x 10/100 Mbit	1 x 100 Mbit, multi mode, SC-Connector	EtherCAT compatible
122501	JetCon 1301-mw				EtherCAT compatible, wide operating temperature
114419	JetCon 1301-s			1 x 100 Mbit, single mode, SC-Connector	EtherCAT compatible
127575	JetCon 1301-sw				EtherCAT compatible, wide operating temperature
113234	JetCon 1302-m	Ethernet to fiber optics	2 x 10/100 Mbit	1 x 100 Mbit, multi mode, SC-Connector	-
125517	JetCon 1302-mw				Wide operating temperature
113258	JetCon 1302-s			1 x 100 Mbit, single mode, SC-Connector	-
128337	JetCon 1302-sw				Wide operating temperature
109726	JetCon 2301-m	Ethernet to fiber optics	1 x 10/100 Mbit	1 x 100 Mbit, multi mode, SC-Connector	MDI/MDI-X and full-/halfduplex
110375	JetCon 2301-s			1 x 100 Mbit, single mode, SC-Connector	MDI/MDI-X and full-/half duplex
119749	JetCon 3401G	Gigabit Ethernet to SFP	10/100/1000 Mbit	Gigabit Ethernet SFP	Auto MDI/MDI-X function, Auto-negotiation
115606	NS-200FC CR	Ethernet to fiber optics	1 x 10/100 Mbit	1 x 100 Mbit, multi mode, SC-Connector	Auto MDI/MDI-X function, Auto-negotiation
116330	NS-200FCS CR			1 x 100 Mbit, single mode, SC-Connector	
116198	NS-200FT CR			1 x 100 Bmbit, multi mode, ST-Connector	
117110	NS-200WDM-A CR	Ethernet to fiber optics	1 x 10/100 Mbit	1 x 100 Mbit, single mode, SC-Connector	Fiber optics single strand, type A
117111	NS-200WDM-B CR				Fiber optics single strand, type B
CAN					
120359	I-2532-G CR	CANbus to fiber optics	1 x CAN	1 x 100 Mbit, multi mode, ST-Connector	3 kV Isolation
124448	I-2533 CR				Converter / Bridge, 3 kV isolation
PROFIBUS					
129070	PROFI-2541 CR	PROFIBUS to fiber optics	1 x PROFIBUS	1 x 100 Mbit, multi mode, ST-Connector	ESD-Protection 4 kV (contact), 8 kV (air)
129071	PROFI-2541-SC CR			1 x 100 Mbit, multi mode, SC-Connector	
Serial					
114871	I-2541 CR	RS-232/422/485 to fiber optics	1 x RS-232/422/485	1 x 100 Mbit, multi mode, ST-Connector	Auto baud rate control
129859	I-2542-A CR	RS-232/422/485 to fiber optics	1 x RS-232/422/485	1 x 100 Mbit, single mode, SC-Connector	Fiber optics single strand, type A
129860	I-2542-B CR				Fiber optics single strand, type B
114503	JetCon 2401-m	RS-232/422/485 to fiber optics	1 x RS-232/422/485	1 x 100 Mbit, multi mode, ST-Connector	Auto baud rate and direction control
114505	JetCon 2401-s				

PC EXPANSION CARDS

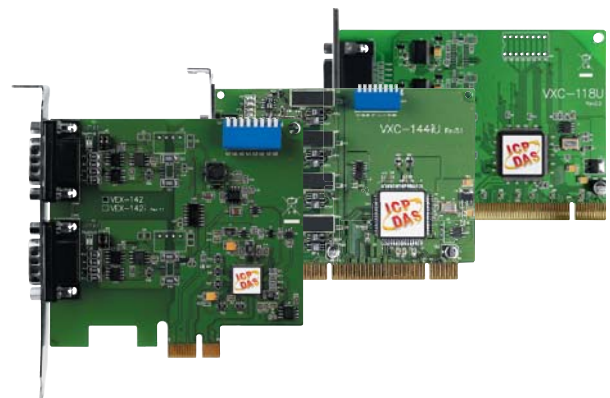
CANBUS EXPANSION CARDS

- CANbus expansion cards, PCI bus, galvanically isolated
- CANbus expansion cards, PCIe bus, galvanically isolated



SERIAL EXPANSION CARDS

- RS-232/422/485 expansion cards, PCI bus, galvanically isolated
- RS-232/422/485 expansion cards, PCIe bus, galvanically isolated



Find more expansion cards online at www.spectra.de, category "IPC components | PC expansion cards & modules".

OVERVIEW

Item No.	Model	Port	max. Baud Rate	PC bus	Software / Driver	Note
CAN						
129060	PISO-CAN100U-D CR	1 x CAN	1 Mbit	UPCI	Windows® XP/7/8 (32-/64-bit), Linux, DASyLab, LabView, CAN-Utility, CANopen/Device-Net Library, CAN OPC Server	Sub-D9, CAN 2.0A, CAN 2.0B, isolation 2500 Vrms
129061	PISO-CAN100U-T CR					Screw terminal, CAN 2.0A, CAN 2.0B, isolation 2500 Vrms
120757	PISO-CAN200U-D CR	2 x CAN	1 Mbit	UPCI	Windows® XP/7/8 (32-/64-bit), Linux, DASyLab, LabView, CAN-Utility, CANopen/Device-Net Library, CAN OPC Server	Sub-D9, CAN 2.0A, CAN 2.0B, isolation 2500 Vrms
120758	PISO-CAN200U-T CR					Screw terminal, CAN 2.0A, CAN 2.0B, isolation 2500 Vrms
120443	PISO-CAN400U-D CR	4 x CAN	1 Mbit	UPCI	Windows® XP/7/8 (32-/64-bit), Linux, DASyLab, LabView, CAN-Utility, CANopen/Device-Net Library, CAN OPC Server	Sub-D9, CAN 2.0A, CAN 2.0B, isolation 2500 Vrms
120444	PISO-CAN400U-T CR					Screw terminal, CAN 2.0A, CAN 2.0B, isolation 2500 Vrms
121409	PEX-CAN200i-D CR	2 x CAN	1 Mbit	PClexpress	Windows® XP/7/8 (32-/64-bit), Linux, DASyLab, LabView, CAN-Utility, CANopen/Device-Net Library, CAN OPC Server	Sub-D9, CAN 2.0A, CAN 2.0B, isolation 2500 Vrms
121410	PEX-CAN200i-T CR					Screw terminal, CAN 2.0A, CAN 2.0B, isolation 2500 Vrms
Serial						
125033	VXC-142AU CR	2 x RS-422/485	115.2 kbps	UPCI	Windows® XP/7/8 (32-/64-bit), Linux	FIFO 128 byte
124370	VXC-142iAU CR					FIFO 128 byte, isolation 2500 V
118980	VXC-144AU CR	4 x RS-422/485	115.2 kbps	UPCI	Windows® XP/7/8 (32-/64-bit), Linux	FIFO 128 byte
118984	VXC-144AiU CR					FIFO 128 byte, isolation 2500 V
126275	VEX-142 CR	2 x RS-422/485	115.2 kbps	PClexpress	Windows® XP/7/8 (32-/64-bit), Linux	FIFO 128 byte
126276	VEX-142i CR					FIFO 128 byte, isolation 2500 V
124477	VEX-144 CR	4 x RS-422/485	115.2 kbps	PClexpress	Windows® XP/7/8 (32-/64-bit), Linux	FIFO 128 byte
124478	VEX-144i CR					FIFO 128 byte, isolation 2500 V
101315	CP-132	2 x RS-422/485	921.6 kbps	PCI	Windows® XP/7/8 (32-/64-bit), Linux	including cable
100912	CP-132i					including cable, isolation 2000 V
107339	CP-134U-DB9	4 x RS-422/485	921.6 kbps	UPCI	Windows® XP/7/8 (32-/64-bit), Linux	including cable
107340	CP-134U-I-DB9					including cable, isolation 2000 V
126858	CP-118EL-A	8 x RS-232/422/485	921.6 kbps	PClexpress	Windows® XP/7/8 (32-/64-bit), Linux	FIFO 128 Byte
109327	CP-104UL-DB9 V2	4 x RS-232	921.6 kbps	UPCI	Windows® XP/7/8 (32-/64-bit), Linux	including cable
100895	C168H/PCI	8 x RS-232	921.6 kbps	PCI	Windows® XP/7/8 (32-/64-bit), Linux	-
132667	VXC-118U/D2 CR	8 x RS-232	115.2 kbps	UPCI	Windows® XP/7/8 (32-/64-bit), Linux	including cable

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