

Korenix Industrial Product Selection Guide - Media Converter



JetCon 2502



JetCon 3401G



JetCon 2301



JetCon 2302



JetCon 1301



JetCon 1302

Ethernet over VDSL Extender Gigabit Media Converter Mini Media Converter Mini Media Converter Compact Media Converter

Interface

Number of Ports:10/100Base-TX	1	10/100/1000 Base-T	1	2	1	2
Number of Ports: PoE Injector						
Number of Ports:100Base-FX	VDSL 2 x 1 ISDN / POTS x 1	Gigabit SFP	1	2	1	1
(Multi Mode Fiber)			JetCon 2301-m	JetCon 2302-m	JetCon 1301-m	JetCon 1302-m
(Single Mode Fiber)			JetCon 2301-s	JetCon 2302-s	JetCon 1301-s	JetCon 1302-s
Number of Serial Ports						
I/O Channel						
Power Terminal	DC12~48V	DC24V*2 (12~48) -48V(Optional)	DC 10~60V * 2	DC 10~60V * 2	DC18~32V/AC18~27V (JetCon 1301/1302) DC36~60V(JetCon 1301-48V)	
Power Jack	DC12~48V					
Fault Relay Output		●	●	●		●
1500VAC HIPOT		●	●	●	●	●

Mechanical

Rigid Aluminum Case	●	●	●	●	●	●
Case Protection	IP 30	IP 31	IP 31	IP 31	IP 31	IP 31
Dimensions (unit=mm)	29 (H) x 88 (W) x114 (D)	55 (W) x 120 (H) x 108 (D)	55 (W) x 120 (H) x 99 (D)	55 (W) x 120 (H) x 99 (D)	30 (W) x 70 (H) x 89 (D)	30 (W) x 111.8 (H) x 98.2 (D)
Operating Temperature	-40~70°C	-25~70°C	-25~75°C (JetCon 2301) -40~75°C (JetCon 2301-w)	-25~75°C (JetCon 2302) -40~75°C (JetCon 2302-w)	-10~70°C (JetCon 1301) -40~80°C (JetCon 1301-w)	-10~70°C (JetCon 1302) -40~70°C (JetCon 1302-w)
DIN-Rail Kit	●	●	●	●	●	●

Protocols

Web-based Configuration						
Windows Utility						
Secured HTTPS,SSH						
Link Loss Forwarding		●	●	●	●	
Switch Mode	●	●	●	●	●	●
Converter Mode			●	●	●	
Pure Converter Mode			●			
Modify Cut-through			●			
Redundant Dual Ethernet						
IGMP Snooping						
Quality of Service	●	●				
SMTP(e-mail warning)						
Syslog						

Certifications

Regulatory Approvals:CE / FCC	●	●	●	●	●	●
RoHS / WEEE	●	●	●	●	●	●
NEMA-TS2			●	●		

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JetCon 6330



JetCon 6350



JetCon 2201-w
JetCon 2201i-w



JetCon 2401

	Ethernet I/O Converter		RS 232 to RS 422/485	Fiber Media Converter
Interface				
Number of Ports:10/100Base-TX	1	1		
Number of Ports: PoE Injector				
Number of Ports:100Base-FX (Multi Mode Fiber)				Serial Fiber JetCon 2401-m
(Single Mode Fiber)				JetCon 2401-s
Number of Serial Ports			1xRS232 1x422/485	RS232/422/485
I/O Channel	16-CH DI	12-CH DI 4-CH DO		
Power Terminal	DC10~30V 24V	DC10~30V 24V	DC12~48V	DC12~48V AC18~32V
Power Jack				
Fault Relay Output				
1500VAC HIPOT				
Mechanical				
Rigid Aluminum Case	●	●	●	●
Case Protection	IP 31	IP 31	IP 30	IP 30
Dimensions (unit=mm)	120(W) x 55 (H) x 99 (D)		74(W) x 24.7 (H) x 96 (D)	74(W) x 24.7 (H) x 96 (D)
Operating Temperature	-25~70°C	-25~70°C	-40~70°C	-20~70°C (JetCon 2401) -40~70°C (JetCon 2401-w)
DIN-Rail Kit	●	●	DIN-Rail/Wall mount	DIN-Rail/Wall mount
Protocols				
Web-based Configuration	●	●		
Windows Utility	●	●		
Secured HTTPS,SSH				
Link Loss Forwarding				
Switch Mode				
Converter Mode				
Redundant Dual Ethernet				
IGMP Snooping				
Quality of Service				
SMTP(e-mail warning)				
Syslog				
Certifications				
Regulatory Approvals:CE / FCC	●	●	●	●
RoHS / WEEE	●	●	●	●

JetCon 2502

Ethernet over VDSL Extender

- IEEE 802.3u 100Base-TX Fast Ethernet Converter
- IEEE 802.3x flow control & Back-pressure
- ITU-T G.933.2 VDSL2 standard
- 2 x RJ-11 connectors for POTS/ISDN and VDSL 2
- One RJ-45 10/100Mbps Fast Ethernet Port
- Built-in POTS/ISDN Splitter
- Extend Voice and Ethernet transmission distance to 1KM
- Transparent 1792 bytes packet size
- Quality of service with broadcast packet filtering
- DC 12~48V Power input by power jack and terminal block
- Operating temperature -40~70°C



CE FC RoHS



JetCon 2502, Fast mode, without noise, SNR 6dB 26AWG Twisted pair cable					
Cable Length Feet / Meter	Line Rate (Mb)		Data Rate (Mb)		
	US	DS	US	DS	DS
0	0	99.1	90.1	89.0	81.0
1000	303.0	72.7	77.7	65.3	69.8
2000	606.0	31.9	41.7	28.6	37.4
3000	909.0	14.8	24.5	13.1	22.0
5000	1515.0	1.1	17.7	0.8	15.8
8000	2424.0	0.6	4.5	0.4	3.9

* US: Upstream

* DS: Downstream

* Impulse Protection Setting: On (Interleave)/ Off (Fast); Forwarding Latency of Interleave mode is less than 250ms ; Fast mode is less than 2 ms

JetCon 3401G

Industrial Gigabit Ethernet Media Converter

- Converts 10/100/1000TX to Gigabit Fiber
- Flexible SFP Fiber transceiver design
- Auto Fault Detection and Alarm
- Fault Alert for port and power
- Link Loss Forwarding Technology (LLF)
- IEEE 802.1p QoS for data precedence transmission
- Redundant power input DC 12~48V
- Aluminum case with IP-31 grade protection
- 1.5KV Hi-Pot testing passed
- Operating temperature -25~70°C

Best Buy



CE FC RoHS



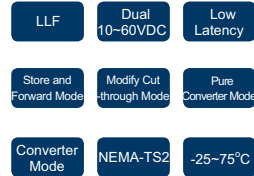
JetCon 2301

Fast Ethernet to Fiber Media Converter

- One 10/100 TX port to One 100FX port media converter
- Auto Link Loss Forwarding (LLF) for fault detection
- Supports Multi-Forwarding modes – Store and Forward, Modify Cut-through, Pure Converter and Converter with auto change modes
- Supports Auto MDI/MDI-X, Auto Negotiation
- Supports Multi-mode 2KM, Single-mode 30KM
- Extreme Low Data Forwarding Latency- 1.6×10^{-6} Sec
- Redundant 10~60V DC Power inputs with DC polarity protection
- Aluminum case with IP-31 grade protection
- Supports 1.5KV Hi-Pot isolation protection
- NEMA-TS2 Compliance (applying)
- Operating temperature -25~75°C (-40~75°C wide operating temperature model available by request)



CE FC ~~RoHS~~ RoHS



JetCon 2302

2-Port Fast Ethernet to Fiber Media Converter

- Two Channels 10/100 TX to 100 FX media converter
- Two 10/100TX with 2 100FX Fast Ethernet Fiber Switch
- Supports Auto MDI/MDI-X, Auto Negotiation
- Supports Multi-mode 2KM, Single-mode 30KM
- 3.2Gbps Non-Blocking Switch Fabric
- Auto Link Loss Forwarding (LLF) for fault detection
- Power and Port event alarm
- Redundant 10~60V DC Power inputs with DC polarity protection
- NEMA -TS2 Compliance (applying)
- Aluminum case with IP-31 grade protection
- Supports 1.5KV Hi-Pot isolation protection
- Operating temperature -25~75°C (-40~75°C wide operating temperature model available by request)



CE FC ~~RoHS~~ RoHS



JetCon 1301 / 1301-48V

Slim-sized Fast Ethernet to Fiber Media Converter

- One 10/100 TX port to One 100FX port media converter
- Dual Forwarding modes- Switching and Pure converter
- Supports Auto MDI/MDI-X, Auto Negotiation
- Supports Multi-mode 2KM, Single-mode 30KM
- Auto Link Loss Forwarding for fault detection
- Extreme Low Data Forwarding Latency- 1.6×10^{-6} Sec
- Wide range of AC18-27V/DC18-32V and DC36-60 (JetCon 1301-48V) power inputs with DC polarity protection
- Aluminum case with IP-31 grade protection
- Supports 1.5KV Hi-PoT isolation protection
- Supports single fiber transmission – WDM
- Operating temperature -10~70°C (-40~80°C wide operating temperature model available by request)

Best Buy



CE FC  RoHS

- EtherCAT
- LLF
- Low Latency
- Switching Converter Mode
- Pure Converter Mode
- 10~70°C

JetCon 1302

2-Port Fast Ethernet to Fiber Media Converter

- Two 10/100 TX ports to One 100FX port media converter
- Supports 1.5KV Hi-Pot isolation protection
- Supports Auto MDI/MDI-X, Auto Negotiation
- Supports Multi-mode 2KM, Single-mode 30KM
- Dual modes for power input, AC18-27V/DC18-32V
- Fault Relay Output for port alarm
- Compact Aluminum case with IP-31 grade protection
- Operating temperature -10~70°C (-40~70°C wide operating temperature available by request)



CE FC  RoHS

- Alarm
- 10~70°C

JetCon 6330 / 6350

16-CH DI / 12-CH DI + 4-CH DO Smart Ethernet I/O Converter

- 16-Ch Digital Inputs with DI and Event Counter mode (JetCon 6330)
- 12-Ch Digital Inputs plus 4-Ch Digital Outputs (JetCon 6350)
- Multi-form Peer to Peer operating, point to point, point to multiple point modes
- Smart logic rules
- Industrial Modbus/TCP protocol
- Windows Utility and Web Display
- Built-in watchdog protects against system failure
- Safe mode operation for network link loss
- Din-Rail mount with robust aluminum case and IP31 protection
- -25~70°C operating temperature for hazardous environment application



JetCon 6330

JetCon 6350



JetCon 2201-w / 2201i-w

2-Port Fast Ethernet to Fiber Media Converter

- Automatic RS-232 to RS-422/485 converter
- Auto baud rate and direction control
- High speed up to 921.6 Kbps
- RS-422/485 3000VDC isolation protection (JetCon 2201i-w)
- Supports RX bias and terminal resistor
- Easy configuration by DIP switch without resetting power
- Din-Rail mount and wall mount robust aluminum case
- -40~70°C operating temperature for hazardous environment applications



JetCon 2401 / 2401-w

Industrial Serial to Fiber Media Converter

- 3-in-1 RS232/422/485 to serial fiber media converter
- Easy mode change without resetting
- Supports Multi-mode 5KM, Single-mode 40KM
- PTP or SFR transmission mode for serial fiber ring communication
- Auto baud rate and direction control
- High level immunity with 15KV ESD protection
- Two-way 120 ohm line terminator
- Supports biasing resistor
- Dual modes for power input, AC 24V(12~32V)/ DC 24V(12~48V)
- -20~70°C operating temperature for hazardous environment applications (-40~70°C wide operating temperature available by request)

