

Products (/products/) > Connectivity (/products/network-connectivity/) > Interface Converters
(/products/network-connectivity/#10) > WAN, X.21, V.35, RS-232/530 and HSSI Converters
(/products/network-connectivity/#10) > Connect-IT 2016

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Here's a "Converter-in-a-Cable" that lets Sync X.21 Hardware Communicate with Sync V.35 Hardware

Overview

The Patton Model 2016 X.21 to V.35 converter lets a synchronous X.21 device communicate bi-directionally with a synchronous V.35 device. The Model 2016 requires no AC power or batteries for operation and supports data rates up to 2.048 Mbps. Operating full or half duplex, the Model 2016 passes all necessary clocking and control signals, and is transparent to protocol. The Model 2016 connects directly to an X.21 interface using a male or female DB-15 connector. A 6ft (1.8m) cable terminated in a male or female M/34 connector-or a male or female DB-25 connector-plugs into the V.35 device. Various connector and gender combinations, enable the Model 2016 to work in a wide array of networking applications.



Features

- Bi-Directionally Converts Synchronous X.21 to V.35
- Supports Data Rates to 2 Mbps, Full or Half Duplex
- Transparent to Protocol
- No AC Power or Batteries Required
- Various Gender Combinations Available
- DB-15 (X.21) and M/34 or DB-25 (V.35) Connectors with Integral 6 foot (1.8m) Cable
- **Made in the USA** — This Patton equipment is designed by Patton engineers and built in our Gaithersburg, Maryland facility. Patton's American-made manufacturing process delivers high-quality networking solutions with reliability you can trust.

Specifications

Interfaces: CCITT X.21 to CCITT V.35

Data Rates: Up to 2.048 Mbps

Transmission Mode: Full or half duplex

Protocol: Transparent to protocol

Clocking: Set by connected devices

Connectors: DB-15 male or female on X.21 side; M/34 male or female, or DB-25 male or female, on V.35 side

Compliance: CE Marked per EMC Directive 89/336/EEC

Temperature Range: 32-122°F (0-50°C)

Altitude: 0-15,000 feet (0-4,572 meters)

Humidity: Up to 95% non-condensing

Power Supply: None required; uses power from NIC data and control signals

Dimensions: 2.7"L x 1.5"H x 0.7"W (6.8cm x 3.8cm x 1.8cm)

Weight: 14 oz (198g) including cable and connectors

Ordering

#	Model #	Description	Availability
1	2016FC-FT	X.21 TO V.35 INTRFC CNVRTR	Contact us for Availability
	 Accessories		
2	2016FC-MT	X.21 TO V.35 INTRFC CNVRTR	Special Order
	 Accessories		
3	2016FT-25FC	X.21 TO V.24 INTRFC CNVRTR	Special Order
4	2016FT-25MC	X.21 TO V.24 INTRFC CNVRTR	Special Order
5	2016FT-FC	X.21 TO V.35 INTRFC CNVRTR	Special Order
6	2016FT-MC	X.21 TO V.35 INTRFC CNVRTR	Special Order
7	2016MC-FT	X.21 TO V.35 INTRFC CNVRTR	Special Order
	 Accessories		
8	2016MC-MT	X.21 TO V.35 INTRFC CNVRTR	Special Order
	 Accessories		
9	2016MT-25FC	X.21 TO V.24 INTRFC CNVRTR	Special Order
10	2016MT-25MC	X.21 TO V.24 INTRFC CNVRTR	Special Order
11	2016MT-FC	X.21 TO V.35 INTRFC CNVRTR	Special Order
12	2016MT-MC	X.21 TO V.35 INTRFC CNVRTR	Special Order

Item Number	Item Description	Price
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SVC-SmartCare-BH (/support/support.asp)	Premium Support for Business Hours	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
SVC-SmartCare-24/7 (/support/support.asp)	Premium Support, 24 x 7 Coverage	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
SVC-SmartAssist-BH (/support/support-professional.asp)	Business Hour Support Services	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
SVC-SmartAssist-AH (/support/support-professional.asp)	After Hours Support Services	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
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SVC-ENHWAR2 (/support/support-warranty.asp)	2 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
SVC-ENHWAR3 (/support/support-warranty.asp)	3 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
SVC-ENHWAR4 (/support/support-warranty.asp)	4 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
SVC-ENHWAR5 (/support/support-warranty.asp)	5 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
SVC-EXTWAR2 (/support/support-warranty.asp)	2 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing.

SVC-EXTWAR3 (/support/support-warranty.asp)	3 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR4 (/support/support-warranty.asp)	4 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR5 (/support/support-warranty.asp)	5 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-NETENG-HOUR (/support/support-professional.asp)	Network technician hour rate for pre-config services, after hours support, etc.	Contact us (/howtobuy/) for availability and pricing.

Related Products

Model 1000CU2, 1000CU4 & 1000CU8 (/products/product_detail.asp?id=372)	2, 4, & 8-Slot ClusterBoxes™
Model 1000R16 (/products/product_detail.asp?id=371)	16-Slot Mini-Rack
Model 1001MP16 (/products/product_detail.asp?id=29)	16-Slot Universal Mounting Panel

Backgrounders

FiberPlex Capabilities Guide (/backgrounders/FiberPlex_Capabilities_Statement.pdf)	October 6, 2017
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Certifications

Declaration of Conformity - Data Communications Devices (/certifications/00109D1-001P.pdf)	July 16, 2018
Declaration of Conformity - Data Communication Devices: Short Range Modems, Interface Converters, Multiplexer Models (/certifications/02301D1-001H.pdf)	February 12, 2015

Data Sheets

Patton Product Life Cycle Color Codes (/datasheet/Life-Cycle-Availability-Codes.pdf)	April 24, 2015
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Product & Solution Guides

Enterprise Networking Products Guide (/guides/07MENTNET-PG-Io.pdf)	November 10, 2010
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User Manuals & Configuration Guides

Model 2016 Manual (/manuals/2016.pdf)	July 29, 1997
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- > VoIP IADs (/voip-iad/#products)
- > SIP eSBCs (/session-border-controller/#products)
- > VoIP Appliances (/ip-pbx/#products)
- > SS7 Media Gateways (/ss7-gateway/#products)

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Network Access

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- > xDSL Products (/xdsl/#products)
- > Routers

Connectivity

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- > Fiber Serial DataCom (RS-232/422/530/188C) (/products/network-connectivity/#27)
- > Ethernet Over Fiber (/products/network-connectivity/#23)
- > Multiplexers & Sharing Devices (/products/network-connectivity/#12)
- > Fiber Telecom (T1/E1/PRI, Analog and ISDN) (/products/network-connectivity/#28)
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Sunset Products
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