

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

[View Printable \(/products/product\\_detail.asp?id=138&v=print\)](/products/product_detail.asp?id=138&v=print)

*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

SVC-SmartCare-BH (/support/support.asp)	Premium Support for Business Hours	Contact us (/howtobuy/) for availability and pricing.
SVC-SmartCare-24/7 (/support/support.asp)	Premium Support, 24 x 7 Coverage	Contact us (/howtobuy/) for availability and pricing.
SVC-SmartAssist-BH (/support/support-professional.asp)	Business Hour Support Services	Contact us (/howtobuy/) for availability and pricing.
SVC-SmartAssist-AH (/support/support-professional.asp)	After Hours Support Services	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR1 (/support/support-warranty.asp)	1 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR2 (/support/support-warranty.asp)	2 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR3 (/support/support-warranty.asp)	3 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR4 (/support/support-warranty.asp)	4 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR5 (/support/support-warranty.asp)	5 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
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
---	-----------------

## 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
--	----------------

## Product & Solution Guides

Enterprise Networking Products Guide (/guides/07MENTNET-PG-lo.pdf)	November 10, 2010
--	-------------------

## User Manuals & Configuration Guides

Model 2016 Manual (/manuals/2016.pdf)	July 29, 1997
---------------------------------------	---------------

## Company (/company/)

- > Contact Us (/company/contact-us.asp)
- > About Patton (/company/about.asp)
- > Jobs (/company/careers/)
- > Capabilities (/products/special/services.asp)
- > Quality & Responsibility (/company/environment/)
- > Legal (/legal/)

### News & Events

- > Press Room/Releases (/press/)
- > Training & Events (/training/)
- > Library/Downloads (/resources/)

## Partners & Resources (/partners/)

- > Partner Programs (/partners/)
- > Resources (/resources/)
- > Blog (<https://blog.patton.com>)

## Products

### (/products/)

#### Unified Communications

- > VoIP Gateways (/voip-gateway/#products)
- > VoIP Routers (/voip-router/#products)
- > VoIP IADs (/voip-iad/#products)
- > SIP eSBCs (/session-border-controller/#products)
- > VoIP Appliances (/ip-pbx/#products)
- > SS7 Media Gateways (/ss7-gateway/#products)

#### Software and Cloud

- > Virtual SBC (/virtual-sbc/#products)
- > Virtual Access Router (/virtual-access-router/#products)
- > VPN Server (/vpn-server/#products)
- > IPv6 to IPv4 Network Gateway (/network-gateway/#products)
- > Intelligent Edge Orchestration (/intelligent-edge-orchestration/#products)
- > NFV & SDN (/nfv/#products)

#### Network Access

- > Ethernet Extenders (/ethernet-extender/#products)
- > PoE Products (/poe/#products)
- > xDSL Products (/xdsl/#products)
- > Routers

#### Connectivity

- > Line Drivers / Short Range Modems (/products/network-connectivity/#11)
- > 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)
- > Pro AV Live and Media Broadcast Fiber Systems (/products/network-connectivity/#29)
- > SFP (Small Form Pluggable) Modules and Kits (/products/network-connectivity/#30)
- > Fiber Alarming, Notification, Relay and Control (/products/network-connectivity/#24)
- > Other Network Extenders (/products/network-

(/router/#products)  
> Dial-Up Access (/dial-up/#products)

Sunset Products  
(./products/sunset-products.asp).

connectivity/#13)  
> Defense/Security  
Fiber  
Communications  
(/products/network-connectivity/#22)  
> Baluns  
(/products/network-connectivity/#3)  
> Surge Protectors & Opto-Isolators  
(/products/network-connectivity/#15)  
> DataTaps, Testers, Adapters, Rack Kits  
(/products/network-connectivity/#7)  
> Interface  
Converters  
(/products/network-connectivity/#10)  
> Fiber Rack and Enclosure Systems  
(/products/network-connectivity/#25)  
> Fiber Repeaters and Wavelength  
Division  
Multiplexers (WDM)  
(/products/network-connectivity/#26)  
> Waveguide RF  
Filters  
(/products/network-connectivity/#31)

## Support & Services (/support/)

- > Support Home (/support/)
- > Support Portal (/support/#portal)
- > Premium Support (/support/support.asp)
- > Software Upgrades (/support/upgrades/)
- > Warranty Services (/support/support-warranty.asp)
- > Returns & RMAs (/returns/)
- > Manuals (/manuals/)

## Special Projects Group (SPG)

### (/products/special)

- > SPG Home (/products/special/)
- > Services & Capabilities (/products/special/services.asp)
- > Projects (/products/special/projects.asp)
- > Facilities (/products/special/facilities.asp)



Select your country

Sales: sales@patton.com  
(mailto:sales@patton.com) / +1 301 975 1000  
Support: support@patton.com  
(mailto:support@patton.com) / +1 301 975 1007

## Have Us Contact You

or

Copyright © 2001–2020 Patton Electronics Co., All Rights Reserved.

## Join Our Email List

## Connect With Us



(<https://twitter.com/pattonconnect>)



(<https://www.linkedin.com/company/patton-electronics>)

| [Sitemap \(/company/sitemap.asp\)](/company/sitemap.asp) | [Legal \(/legal/\)](/legal/) | [Privacy Policy \(/legal/privacy.asp\)](/legal/privacy.asp) | [Disclaimer \(/legal/terms-conditions.asp\)](/legal/terms-conditions.asp) |  (<https://twitter.com/pattonconnect>) |  (<https://www.facebook.com/PattonElectronics>) |  (<https://www.youtube.com/user/pattonelectronicasco>) |  (<https://www.linkedin.com/companies/patton-electronics>) |  (</news.rss>)