

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/pattonelectronicsco>) 
(<https://www.linkedin.com/companies/patton-electronics>)  (</news.rss>)