

*Connect RS-232 to V.35 using any gender and connector variation imaginable.*

## Overview

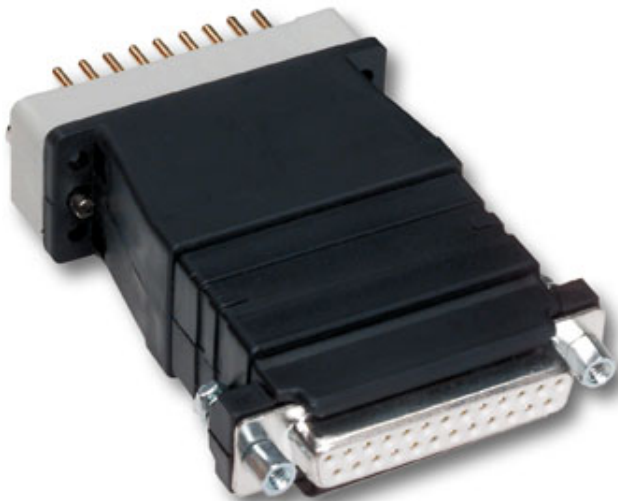
The Model 2020 Series solves one of the most common problems in WAN connectivity-connecting sync RS-232 hardware to sync V.35 hardware. And the Model 2020 series offers many different models to choose from.

The Model 2020N is the perfect solution for converter applications that do not require a built-in cable. It has all the features of the Model 2020 series contained in an ultra-miniature package.



## Features

- Bi-directional RS-232 to V.35 conversion
- Support for data rates to 384 kbps
- DCE/DTE switchable
- All appropriate data, clocking & control signals passed
- Integral connectors (Model 2020N) or equipped with built-in 6 ft (1.8 m) 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

**Format:** Synchronous, transparent to protocol, full or half duplex; passes all appropriate control signals

**Data Rates:** Up to 384 kbps

**Clocking:** Supplied by the connected devices

**Connectors:** DB-25 male or fem. on RS-232 side, M/34 male or fem. on V.35 side

**Configuration:** DTE-to-DCE or DCE-to-DTE, strap selectable

**Regulatory Approvals:** FCC 15A, UL, CE, EN60950

## Ordering

#	Model #	Description	Availability
1	2020F-25F	RS-232(FEM)-V.35(FEM) CONV	Special Order
2	2020F-25M	RS-232(FEM)-V.35(MALE) CONV	Special Order
3	2020F-F	RS-232 F /V.35 F	Special Order
4	2020F-M	RS-232(FEMALE TO V.35 MALE CON	General Availability
5	2020M-25F	RS-232(MALE)-V.35(FEM) CONV	Special Order
6	2020M-25M	RS232(DB25MALE)-V.35(DB25MALE) CONV	Special Order
7	2020M-F	RS-232(MALE)-V.35(FEMALE)CONV	Special Order
8	2020M-M	RS-232(MALE)-V.35(MALE)CONV	Special Order
9	2020NF-F	RS-232(FEMALE) TO V.35(FEMALE)	End of Life-Notice
10	2020NF-M	RS-232 (FEMALE) TO V.35 (MALE)	End of Life-Notice
11	2020NM-F	RS-232 (MALE) TO V.35 (FEMALE)	End of Life-Notice
12	2020NM-M	RS-232 (MALE) TO V.35 (MALE)	End of Life-Notice

Item Number	Item Description	Price
SVC-SmartCare-BH (/support/support.asp)	Premium Support for Business Hours	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/)
SVC-ENHWAR1 (/support/support-warranty.asp)	1 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
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. Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR4 (/support/support-warranty.asp)	4 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR5 (/support/support-warranty.asp)	5 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR2 (/support/support-warranty.asp)	2 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR3 (/support/support-warranty.asp)	3 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR4 (/support/support-warranty.asp)	4 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR5 (/support/support-warranty.asp)	5 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. 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

## 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-lo.pdf)	November 10, 2010
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- > SIP eSBCs (/session-border-controller/#products)
- > VoIP Appliances (/ip-pbx/#products)
- > SS7 Media Gateways (/ss7-gateway/#products)

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- > xDSL Products (/xdsl/#products)
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- > Fiber Serial DataCom (RS-232/422/530/188C) (/products/network-connectivity/#27)
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(/products/sunset-products.asp).

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