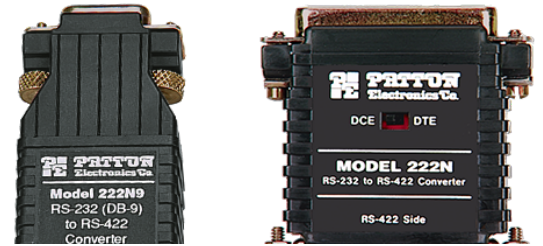


Products (/products/) > Connectivity (/products/network-connectivity/) > Interface Converters (/products/network-connectivity/#10) > Industrial RS-232, 422, 485 Converters (/products/network-connectivity/#10) > Connect-IT 222N

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Industrial RS-232, 422, 485 Converters

Connect-IT 222N Interface-Powered RS-232 to RS-422 Converters



Connect \rightleftarrows IT

These Miniature Converters are no Bigger than a DB-25 (or DB-9) Backshell!

Overview

The Patton Model 222N Series of converters now comes in two "flavors": The Model 222N allows an RS-232 device with DB-25 port to connect to an RS-422 device up to 4000 feet away over two twisted pair. The Model 222N9 does the same thing for an RS-232 device with a DB-9 port (now called EIA-574). Both converters support data rates up to 19.2 kbps, and require no AC power or batteries for operation. All handshaking lines are looped back. The Model 222NRC is a dual rack card version of the Model 222N, with two converters in one card!



Features

- Conforms to the EIA RS-422 Interface Standard
- Bi-Directional Data Conversion
- No AC Power Required
- Handshake Lines are Looped Back
- Reliable Surface Mount Construction
- 600W of Optional Surge Protection
- **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.

Highlights

DB-9 (EIA-574) Versions Also Available

If you need to convert a DB-9 Serial port to RS-422, you need the Patton Model 222N9



Note: Model # 222N9FT (shown above) comes with thumbscrews. Other 222N models come with slotted captive fasteners.

Specifications

Data Format: Asynchronous

Data Rate: 0 to 19,200 bps (no strapping)

Control Signals: CTS turns ON immediately after the terminal raises RTS; DSR and DCD turn ON immediately after the terminal raises DTR

Transmit Mode: Full duplex, 4-wire

Transmit Level: 0 dBm

Connectors: Model 222N - Male or female DB-25 (RS-232 side); Male or Female DB-25, RJ-11 jack, RJ-45 jack or terminal posts (RS-422 side).

Model 222N9 - Male or female DB-9 (EIA-574 side); RJ-11 jack, RJ-45 jack or terminal posts (RS-422 side).

Power Supply: None required; uses ultra low power from EIA data and control signals

Dimensions: Model 222N - 2.20 x 1.75 x 0.75 (5.6 x 4.4 x 1.9 cm) Model 222N9 - 2.50 x 1.20 x 0.75 (6.4 x 3 x 1.9 cm)

Ordering

| # | Model # | Description | Availability |
|----|---------------|--------------------------------|----------------------|
| 1 | 222N9F | RS232 TO 422 CONV,DB9F,STR RLF | General Availability |
| 2 | 222N9FRJ11 | RS232 -422 CONV, DB9F TO RJ11 | Special Order |
| 3 | 222N9FRJ45 | RS232-RS422 CONV, DB9F TO RJ45 | General Availability |
| 4 | 222N9M | RS232 TO 422 CONV,DB9M,STR RLF | General Availability |
| 5 | 222N9M RJ11 | 232 TO 422 CONV,DB9M,RJ11 | Special Order |
| 6 | 222N9M RJ45 | RS232 TO 422 CONV,DB9M,RJ45 | Special Order |
| 7 | 222N9SF | RS232 TO 422 CONV,DB9F,SR,SP | Special Order |
| 8 | 222NF | RS232(F) TO RS-422(STR.REL.) | Special Order |
| 9 | 222NF-25F | CONVERTER, DB25F TO DB25F | Special Order |
| 10 | 222NF-25M | RS-232(F) TO RS-422(M) CONV. | Special Order |
| 11 | 222NF-RJ11 | RS-232(F) TO RS-422(RJ-11) | General Availability |
| 12 | 222NF-RJ45 | RS-232(F) TO RS-422(RJ-45) | Special Order |
| 13 | 222NF-RJ45-MP | RS-232(F) TO RS-422(RJ-45); MP | Special Order |
| 14 | 222NM | RS-232(M) TO RS-422 (STR.REL) | General Availability |
| 15 | 222NM-25F | RS-232(M) TO RS-422(F) CONV. | Special Order |
| 16 | 222NM-25M | RS-232(M) TO RS-422(M) | Special Order |
| 17 | 222NM-RJ11 | RS-232(M) TO RS-422 (RJ-11) | Special Order |
| 18 | 222NM-RJ45 | RS-232(M) TO RS-422 (RJ-45) | Special Order |
| 19 | 222NRC11 | RS232 TO 422 CONV.W/RJ11 R CRD | End of Life-Notice |
| 20 | 222NRC45 | RS232 TO 422 CONV.W/RJ45 R CRD | End of Life-Notice |
| 21 | 222NS9F | RS232 TO 422 CONV,DB9F,STR RLF | Special Order |
| 22 | 222NSF | RS232-422 CONV,SURGE PROTECTED | Special Order |
| 23 | 222NSF-25F | RS232-422 CONV,SURGE PROTECTED | Special Order |
| 24 | 222NSF-25M | RS232-422 CONV,SURGE PROTECTED | Special Order |
| 25 | 222NSFRJ11 | RS232-422 CONV,SURGE PROTECTED | Special Order |
| 26 | 222NSFRJ45 | RS232-422 CONV,SURGE PROTECTED | Special Order |
| 27 | 222NSM | RS232-422 CONV,SURGE PROTECTED | Special Order |
| 28 | 222NSM-25F | RS232-422 CONV,SURGE PROTECTED | Special Order |
| 29 | 222NSM-25M | RS-232 TO RS-422 CONV. S PROT. | Special Order |
| 30 | 222NSMRJ11 | RS232-422 CONV,SURGE PROTECTED | Special Order |
| 31 | 222NSMRJ45 | RS232-422 CONV,SURGE PROTECTED | 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. |
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| 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)
Model 1000R16 (/products/product_detail.asp?id=371)

2, 4, & 8-Slot ClusterBoxes™
16-Slot Mini-Rack

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 Models: As per the attached sheet (/certifications/00109D1-001M.pdf)

November 11, 2015

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 222N Manual (/manuals/222n.pdf)

January 25, 2008

Model 222N9 Manual (/manuals/222n9.pdf)

January 25, 2008

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- > VoIP Appliances (/ip-pbx/#products)
- > SS7 Media Gateways (/ss7-gateway/#products)

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- > Virtual Access Router (/virtual-access-router/#products)
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- > Ethernet Over Fiber (/products/network-connectivity/#23)
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- > 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)

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- Network Access
- > Ethernet Extenders (/products/network-connectivity/#22)
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- > xDSL Products (/products/network-connectivity/#15)
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- > Waveguide RF Filters

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