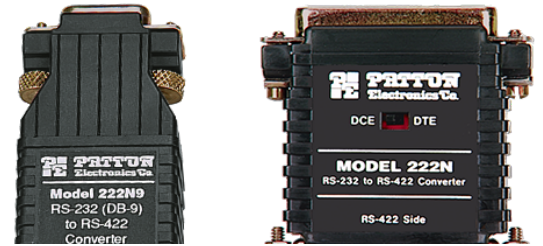


Products (/products/) > Connectivity (/products/network-connectivity/) > Interface Converters (/products/network-connectivity/#10) > Industrial RS-232, 422, 485 Converters (/products/network-connectivity/#10) > Connect-IT 222N

[View Printable \(/products/product\\_detail.asp?id=154&v=print\)](#)

# 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.
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)  
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

## 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-

### 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)

- orchestration/#products)> Other Network Extenders
- > NFV & SDN (/products/network-connectivity/#13)
- Network Access
- > Ethernet Extenders (/products/network-connectivity/#22)
- > PoE Products (/products/network-connectivity/#3)
- > xDSL Products (/products/network-connectivity/#15)
- > Routers (/router/#products)
- > Dial-Up Access (/dial-up/#products)
- Sunset Products (/products/sunset-products.asp).
- > Defense/Security Fiber Communications
- > Baluns
- > Surge Protectors & Opto-Isolators
- > DataTaps, Testers, Adapters, Rack Kits
- > Interface Converters
- > Fiber Rack and Enclosure Systems
- > Fiber Repeaters and Wavelength Division Multiplexers (WDM)
- > Waveguide RF Filters

### 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

### Join Our Email List


### Connect With Us



(https://twitter.com/pattonconnect)



(https://www.linkedin.com/companies/pa-electronics)

| Sitemap (/company/sitemap.asp) | Legal (/legal/) | Privacy Policy  
(/legal/privacy.asp) | Disclaimer (/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)