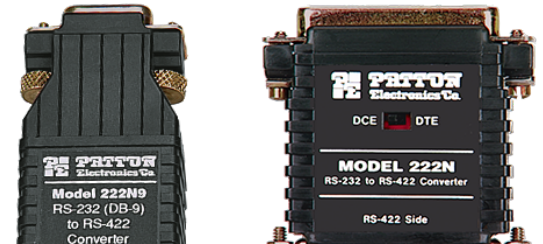


[Products \(/products/\)](#) > [Connectivity \(/products/network-connectivity/\)](#) > [Interface Converters \(/products/network-connectivity/#10\)](#) > [Industrial RS-232, 422, 485 Converters \(/products/network-connectivity/#10\)](#) > [Connect-IT 222N](#)

[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 \rightleftharpoons 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)	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
------------------------------------------------------------------------------------	-----------------

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 (/products/network-connectivity/#7)
 > Dial-Up Access (/products/network-connectivity/#10)
Sunset Products
 (/products/sunset-products.asp).
 > 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

sue.chu@icomtechinc.co

or

Phone Number

Submit

Join Our Email List

sue.chu@icomtechinc.com

Subscribe






Connect With Us



(https://twitter.com/pattonconnect)



(https://www.linkedin.com/companies/patton-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)