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Automatically Senses and Selects Parallel/Serial and DCE/DTE Modes

Overview

The Patton Model 2026 & 2027 miniature serial to parallel converters represent a breakthrough in size and performance. Self-contained units, the Model 2026 & 2027 support auto-directional data conversion, serial data rates to 38.4 kbps, and both hardware and X-ON/ X-OFF handshaking. Yet they don't require AC power or batteries for operation!

Incorporating microprocessor technology, the Model 2026 & 2027 automatically orient themselves for serial-to-parallel or parallel-to-serial data conversion. They also sense which connected device is DTE and which is DCE, and orient themselves accordingly. Other parameters- data rate, flow control method (hardware or X-ON/X-OFF), parity and word length-are set by externally accessible DIP switches. A single LED indicator monitors five modes including transmission status. Standard connectors on the Model 2026 and 2027 are shown in the ordering table below. Custom connectors are also available.

Features

- Auto-Directional Data Conversion
- Automatically Selects Parallel-to-Serial or Serial-to-Parallel Operation
- Automatically Selects DCE/DTE Mode
- Supports Both Hardware and X-On/X-Off Flow Control
- Data Rates from 300 to 38,400 bps
- External Configuration Switches
- DB-25 and 36-pin Connector Options
- **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

Data Rate: 300, 600,1200, 2400, 4800, 9600, 19,200, 38,400 bps selected by external DIP switch

Data Format: Asynchronous serial/ 36-pin parallel

Characters: 7 or 8 data bits, one stop bit

Parity: Even, odd, or no parity w/ 7 or 8 data bits

Connectors: Model 2026 - DB-25 female, 36 pin male or female; Model 2027 - two DB-25 females

Power: No AC power required; uses ultra low power derived from the RS-232 data and control signals

Dimensions: 2.66" x 2.10" x 0.73" (6.8 x 5.3 x 1.9 cm)

Ordering

#	Model #	Description	Availability
1	2026-F	SER TO PAR CONV,DB25F TO CEN M	General Availability
2	2027F-F	SER (F) <=>PAR (F) CONVERTOR	Special Order
3	2027F-M	SER (F) <=> PAR (M) CONVERTOR	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. Contact us (/howtobuy//) for availability and pricing. Contact us (/howtobuy//) for availability and pricing. Contact us (/howtobuy//) for availability and pricing. Contact us (/howtobuy//) for availability and pricing. Contact us (/howtobuy//) for availability and pricing. 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. Contact us (/howtobuy//) for availability and pricing. Contact us (/howtobuy//) for availability and pricing. Contact us (/howtobuy//) for availability and pricing. Contact us (/howtobuy//) for availability and pricing. Contact us (/howtobuy//) for availability and pricing.
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SVC-SmartAssist-AH (/support/support-professional.asp)	After Hours Support Services	Contact us (/howtobuy//) for availability and pricing. Contact us (/howtobuy//) for availability and pricing. Contact us (/howtobuy//) for availability and pricing. Contact us (/howtobuy//) for availability and pricing. Contact us (/howtobuy//) for availability and pricing.
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SVC-ENHWAR2 (/support/support-warranty.asp)	2 Year Enhanced Warranty	Contact us (/howtobuy//) for availability and pricing. Contact us (/howtobuy//) for availability and pricing. Contact us (/howtobuy//) for availability and pricing. 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. 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.

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

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