

Self-Powered Line Drivers

Connect-IT 1040 Self-Powered, Universal Synchronous/Asynchronous, Short-Range Modem



Connect \leftrightarrow IT

You Can Use the Model 1040 in Just About Any RS-232 UTP or STP Application!

Overview

The Model 1040 self-powered miniature short range modem packs the features of Patton's Model 1080 into a package that requires no AC power. Operating asynchronously or synchronously, the Model 1040 supports data rates to 38.4 Kbps and distances to 12 miles (19.3 Km). The Model 1040 will operate over 2 or 4 wires, in point-to-point or multipoint environments. In synchronous mode, the Model 1040 supports Internal, External or Receive loopback clocking. The Model 1040 incorporates two V.54 and two V.52 BER test modes, which can be activated via the RS-232 interface. Built-in LEDs let you monitor test mode operation. Additional peace of mind comes from knowing that the Model 1040 has both transformer isolation and surge protection to guard against data loss. The Model 1040 is designed to plug directly into the RS-232 interface. Twisted pair wire is connected using RJ-11, RJ-45 or terminal blocks.



Features

- Async or Sync Operation
- RS-232 Data Rates to 38.4 Kbps
- Distances to 12 Miles (19.3 Km)
- Point-to-Point or Multipoint
- V.54 and V.52 Test Modes
- Automatic Line Equalization
- Internal, External or Receive Recover Clocking (Sync Mode)
- Transformer Isolation and 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

Now You Can Combine Miniature, Standalone, ClusterBox™ and Rack Mount Short Haul Modems

Patton wants you to be outfitted at every level of your UTP network: From mini short hauls that plug into PCs to 16 port racks for the control room. From single desktop standalones to cluster boxes for the wiring closet. We've got 'em!

The Model 1040 works with the Model 1080ARC Rack Card

The Model 1040 miniature short range modem works in conjunction with the 1080ARC rack card. The Model 1080ARC fits in Patton's 16 slot rack chassis and 2, 4 or 8-slot ClusterBoxes™. Our compact rack system is an effective way to organize your in house network. With it's own built in power supply, the rack is an networking powerhouse.

- Low Profile Design Uses Only 2U of Rack Height
- Hot-Swappable-Unplug the Card without Disconnecting Cables
- Switchable Power Supply Accepts 115V or 240V AC
- Rugged All Metal Chassis Construction

Specifications

Range: 10 miles (16.1Km) @ 1200 bps on 22 AWG 2-pair wire
Data Rates: Sync & Async: 1.2, 1.8, 2.4, 3.6, 4.8, 7.2, 9.6, 14.4, 19.2, 28.8, 38.4, externally switch selection
Operation: Point-to-point or multipoint
Transmit Mode: 2-wire/half duplex, 4-wire/full duplex
Interface: EIA RS-232, CCITT V.2
Connectors: DB-25 M, F (RS-232), RJ-11 jack and terminal block
Diagnostics: 100% V.54 compliant and 100% V.52 compliant BER tests
LED Indicators: BERT indicator, Loop/Test indicator
Carrier: Constantly ON or controlled by RTS
RTS/CTS Delay: Externally strap selected to 0.7, or 50 mS
Receive Clock: Derived from receive signal
Transmit Clock: Internal, external or looped back from recovered signal
Isolation: Transformer, 1500V RMS
Surge Protection: 600 Watts power dissipation for up to 1 msec
Dimensions: 2.6 x .73 x 2.1 (6.6 x 1.9 x 5.3 cm)

Ordering

#	Model #	Description	Availability
1	1040UF	RS-232 ASYNC/SYNC SELF POWERED LINE DRIVER; DB25F; SURGE PROTECTION; UNIVERSAL LINE (TB,RJ45/RJ11 COMBO JACK)	General Availability
2	1040UM	RS-232 ASYNC/SYNC SELF POWERED LINE DRIVER; DB25M; SURGE PROTECTION; UNIVERSAL LINE (TB,RJ45/RJ11 COMBO JACK)	General Availability

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
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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
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Product & Solution Guides

Enterprise Networking Products Guide (/guides/07MENTNET-PG-lo.pdf)	November 10, 2010
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User Manuals & Configuration Guides

BroadSoft Configuration Guide for SmartNode SmartWare (/manuals/BroadSoft_PartnerConfigGuide_Patton_SmartNode.pdf)	December 2, 2013
Model 1040 Manual (/manuals/1040.pdf)	April 29, 1998

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- > 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](#))
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- > Surge Protectors & Opto-Isolators ([/products/network-connectivity/#15](#))
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- > Interface Converters ([/products/network-connectivity/#10](#))
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