Products (/products/) > Connectivity (/products/network-connectivity/) > Line Drivers / Short Range Modems (/products/network-connectivity/#11) > Powered Line Drivers (/products/network-connectivity/#11) > Connect-IT 1080 View Printable (/products/product_detail.asp?id=78&v=print)

Powered Line Drivers

Connect-IT 1080 AC-Powered, Universal Synchronous/Asynchronous, Short-Range Modem

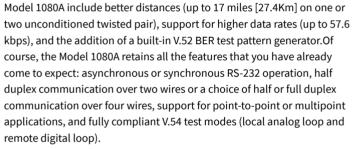


Connect**⇒**∎

You can use Patton's Model 1080A in just about any RS-232 UTP or STP application! Made in USA, the Model 1080A AC-Powered, Universal Short Range Modem is the bread and butter of Patton's line of RS-232 short-haul modems.

Overview

The Model 1080A AC Powered, Universal Short Range Modem is the bread and butter of our RS-232 short haul line, and it's now tastier than ever! Recent improvements in the



Automatic features include equalization, gain control and noise filtering (a separate filter for each data rate is built into a custom VLSI chip). To combat the many nemeses of clear data transmission, the Model 1080A includes surge protection (guards against transients), transformer isolation (eliminates ground looping) and a new anti-streaming timer (stops data streaming).

The Model 1080A packs a lot of convenience into a little box: Front panel LEDs give a clear picture of link status, V.54 tests can be activated remotely or via the front panel, and the unit can be externally configured (no need to open the case). Best of all, the Model 1080A standalone is fully compatible with the Model 1080A rack card and the new self-powered Model 1040 short haul.

Highlights

Model 1080A Rack Card Features V.54 and V.52 Diagnostics

The Model 1080ARC fits in Patton's 2U high rack chassis and 2/4/8 ClusterBoxesTM. Just like it's standalone counterpart, the Model 1080ARC generates its own 511 and 511E BER test patterns according to the V.52 standard. Four plug-in rear interface cards are available.

Features

- Async or Sync Operation
- 4-Wire Half or Full Duplex/2-Wire Half Duplex Only
- RS-232 Data Rates to 57.6 kbps
- Distances over 17 Miles (27.4 Km)
- Point-to-Point or Multipoint
- V.54 and V.52 Test Modes
- Automatic Equalization/Gain Control
- Internal, External or Received Recover Clocking in Sync. Mode
- Custom VLSI Noise Filter Chip
- Transformer Isolation/Surge Protection
- Anti-Streaming Timer
- LED Status Indicators
- Fully Compatible with the Model 1040
- 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

Range: 17.5 miles @1200 bps, 19 AWG 2-pair wire Data Rates: Sync or Async: 1.2, 1.8, 2.4, 3.6, 4.8, 7.2, 9.6, 14.4, 19.2, 28.8, 38.4, and 57.6 kbps, externally switch selected Operation: Point-to-point or multipoint Transmit Mode: Synchronous or asynchronous, 2-W/half duplex, 4-W/half or full duplex Interface: EIA RS-232, CCITT V.24 Connectors: DB-25 female (RS-232), RJ-45 jack and terminal block (RJ-11 optional) Diagnostics: V.54 compliant local analog loopback & remote digital loopback; V.52 compliant 511 and 511E test pattern generator LED Indicators: TD, RD, RTS, DCD, Power, Test Carrier: Constantly ON or Controlled by RTS RTS/CTS Delay: Strap selected: 0.0, 8.5 or 50 mS Transmit Clock: Internal, external or receive recover Isolation: Transformer, 1500V RMS Surge Protection: SAD, 600W power dissipation Power Supply: External transformer, 115V or 230V Dimensions: 4.17W x 1.52H x 5.0L (10.6 x 3.9 x 12.7 cm)

Ordering

#	Model #	Description		
1	1080A/12	RS-232 ASYNC/SYNC LINE DRIVER; Internal 12VDC Input		
2	1080A/24	RS-232 ASYNC/SYNC LINE DRIVER; Internal 24VDC Input		
3	1080A/48	RS-232 ASYNC/SYNC LINE DRIVER; Internal 48VDC Input		
4	080A/EUI RS-232 ASYNC/SYNC LINE DRIVER; External 100-240 VAC			
	+ Accessories			
5	1080ARC11	ASYNC/SYNC, LINE DRIVER, W/RJ11 REAR ASY		
6	1080ARC45	ASYNC/SYNC,LINE DRIVER,W/RJ45 REAR ASY		
7	1080ARC4511	ASYNC/SYNC,LINE DRIVER,W/RJ45,RJ11 RC		

8 1080ARC4545 ASYNC/SYNC,LINE DRIVER,W/DUAL RJ45,RC

Item Number Item Description

SVC-SmartCare-BH (/support/support.asp) Premium Support for Business Hours

SVC-SmartCare-24/7 (/support/support.asp) Premium Support, 24 x 7 Coverage

SVC-SmartAssist-BH (/support/supportprofessional.asp) Business Hour Support Services

SVC-SmartAssist-AH (/support/support- After Hours Support Services professional.asp)

SVC-ENHWAR1 (/support/support- 1 Year Enhanced Warranty warranty.asp)

SVC-ENHWAR2 (/support/support- 2 Year Enhanced Warranty warranty.asp)

SVC-ENHWAR3 (/support/support- 3 Year Enhanced Warranty warranty.asp)

Availability

General Availability General Availability General Availability General Availability

End of Life-Notice End of Life-Notice End of Life-Notice End of Life-Notice

Price

Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuv/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing.

			Contact us				
SVC-ENHWAR4 (/support/support- warranty.asp)	4 Year Enhanced Warranty						
SVC-ENHWAR5 (/support/support- warranty.asp)	5 Year Enhanced Warranty						
SVC-EXTWAR2 (/support/support- warranty.asp)	ipport/support- 2 Year Extended Warranty						
SVC-EXTWAR3 (/support/support- warranty.asp)	3 Year Extended Warranty		pricing. Contact us (/howtobuy/) for availability and pricing.				
SVC-EXTWAR4 (/support/support- warranty.asp)	4 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing.					
SVC-EXTWAR5 (/support/support- warranty.asp)	5 Year Extended Warranty						
SVC-NETENG-HOUR (/support/support- professional.asp)	pport/support- Network technician hour rate for pre-config services, after hours support, etc.						
Related Products							
Model 1000CU2, 1000 Model 1000R16 (/proc Model 1001 Telco Racl Model 1001MP10 & 10	Access						
BackgroundersFiberPlex Capabilities Guide (/backgrounders/FiberPlex_Capabilities_Statement.pdf)October 6, 2017							
Certifications Declaration of Conformity - Data Communications Devices (/certifications/00109D1-001P.pdf) Declaration of Conformity - Data Communication Devices: Short Range Modems, Interface Converters, Multiplexer Models (/certifications/02301D1-001H.pdf)							

Data Sheets

Patton Product Life Cycle Color Codes (/datasheet/Life-Cycle-Availability-Codes.pdf)

Product & Solution Guides

Enterprise Networking Products Guide (/guides/07MENTNET-PG-lo.pdf)

User Manuals & Configuration Guides

Models (/certifications/02301D1-001H.pdf)

BroadSoft Configuration Guide for SmartNode SmartWare (/manuals/BroadSoft_PartnerConfigGuide_Patton_SmartNode.pdf) Model 1080A Manual (/manuals/1080a.pdf)

December 2, 2013 July 2, 2012

November 10, 2010

April 24, 2015

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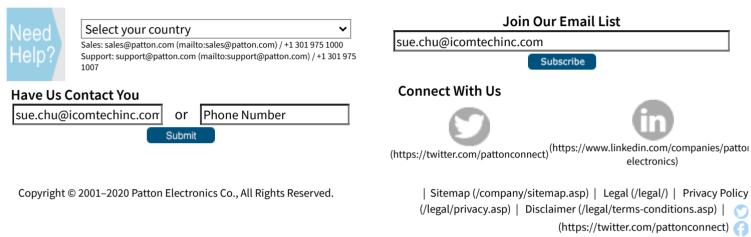
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- > Premium Support (/support/support.asp)
- > Software Upgrades (/support/upgrades/)
- > Warranty Services (/support/support-warranty.asp)
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