



4.6 Mbps LAN Extender with Auto-Rate Adaptation



Features & Benefits

- Auto-rate adaptation gives the highest rate possible for the extension distance of your network
- 4.6 Mbps over just a single twisted pair of copper
- Extension distances up to 32,000 feet (10 km)
- Auto-sensing 10/100 Ethernet port
- Integrated MDI-X switch to allow easy connection to any computer or LAN
- Auto-sensing full or half-duplex operation
- Support for 802.1 Q VLAN tagged packet transmission
- Configuration and on-line monitoring via web browser
- V.35 and X.21 DTE options available

Overview

LAN extension doesn't have to be expensive or difficult. The Patton Model 3088 G.SHDSL modem uses a single twisted copper pair line such as BT's Baseband Standard EPS 9 to extend a LAN up to a distance of 10 Km with data rates of up to 4.6 Mbps.

Whether it's connecting corporate LANs or remote offices, the 3088 is a simple solution that ensures the best combination of speed and distance in the industry. Many LAN extenders are set for a single rate, or require difficult configurations in order to connect LANs at different distances. With its auto-rate adaptation feature, the Model 3088 ensures that users get the highest speed possible for the distances they are trying to reach. To make it even simpler to use, the 3088 comes with a built in MDI-X switch to allow easy connection to LANs or PCs with no need to worry about whether you have a cross-over cable or not.

*Note when connected to BT leased lines maximum data rate is restricted to 3 Mbps.

	3088/CA	3088/D	3088/K	3088/I
Interface	V.35; female DB-25	X21; female DB-15	T1/E1; Dual BNC and RJ-48C	10/100Base-T Ethernet
Testing Parameters	V.52 511/511E Pattern Generator with RDL; LAL			
Clocking	Internal, Network or Receive Recover Clocking			
Line Coding	TC-PAM 16 for rates from 64 kbps to 2.3 Mbps; TC-PAM 32 for rates above 2.3 Mbps; Annex A & B			
Line Interface	RJ-11; Two Wire (single twisted pair)			
Management	DIP switch (all models except 3088/I), console, remote console or proxy SNMP from a Central Office ForeFront			
Front Panel Indicators	LEDs for DSL link, Transmit/Receive data, no signal, loop test errors, and test mode indication			
Power Supply	External power supply options: Universal 90 - 260 VAC operating from 50 - 60Hz; 120 VAC/60 Hz; 240 VAC/60Hz; - 48VDC			
Compliance	FCC Part 15A, CE Mark, EMC Directive 89/336/EEC, Low-Voltage Directive 73/23/EEC			
Environment	Operating Temperature: 32-122°F (0-50°C); Humidity: 5-90% non-condensing			
Dimensions	4.2 x 1.6 x 5.55 in. (10.7 x 4.1 x 14.1 cm)			

Distance Table													
NO NOISE													
Line Rate	N	26g (0.4mm)			24g (0.5mm)			22g (0.6mm)			19g (0.9mm)		
		Kbps	feet	miles	km	feet	miles	km	feet	miles	km	feet	miles
3	192	21000	4.0	6.4	28000	5.3	8.5	35000	6.6	10.7	52500	9.9	16
8	512	18750	3.6	5.7	25000	4.7	7.6	31250	5.9	9.5	46875	8.9	14.3
16	1024	16500	3.1	5.0	22000	4.2	6.7	27500	5.2	8.4	41250	7.8	12.6
24	1536	13500	2.6	4.1	18000	3.4	5.5	22500	4.3	6.9	33750	6.4	10.3
32	2048	12750	2.4	3.9	17000	3.2	5.2	21250	4.0	6.5	31875	6.0	9.7
36	2304	11250	2.1	3.4	15000	2.8	4.6	18750	3.6	5.7	28125	5.3	8.6
48	3072	8250	1.6	2.5	11000	2.1	3.4	13750	2.6	4.2	20625	3.9	6.3
56	3584	7500	1.4	2.3	10000	1.9	3.0	12500	2.4	3.8	18750	3.6	5.7
64	4096	6000	1.1	1.8	8000	1.5	2.4	10000	1.9	3.0	15000	2.8	4.6
72	4608	5250	1.0	1.6	7000	1.3	2.1	8750	1.7	2.7	13125	2.5	4.0

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