

Extreme Copper

RP 300 Network Extender / Repeater

Extreme Copper's advanced VDSL technology has added a new dimension in twisted pair solutions. The RP 300 VDSL repeater modem allows the extension of the VDSL link by an additional 4000 feet. The repeater also has local 10/100 Ethernet access ports allowing local Ethernet equipment to be easily connected or easy access for maintenance purposes. It carries up to 25Mbps of asymmetrical data in an IP format over a single pair of twisted wire.

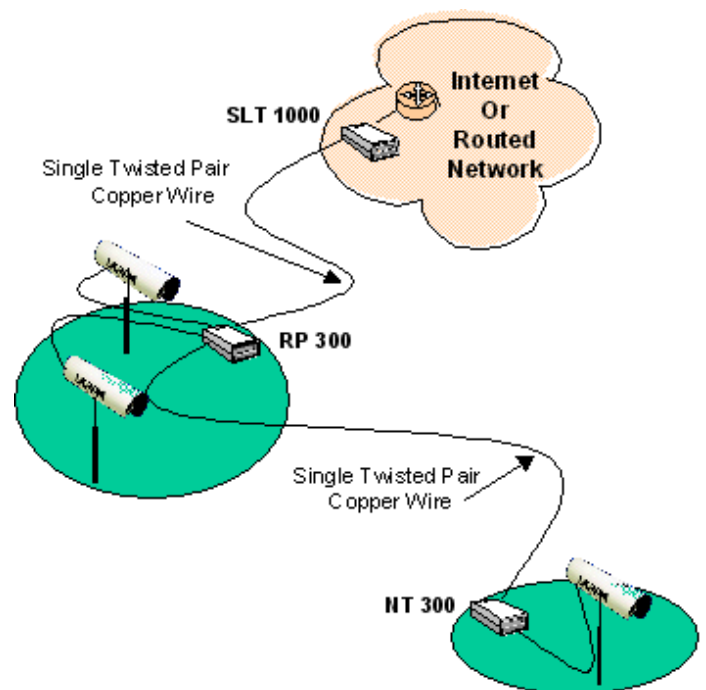
Advantages of VDSL technology:

- Low cost solution for extending high-speed communications over long distances using a single twisted pair of wire.
- Extends the distance of 10/100 Ethernet/Cat 5 video, audio and control systems beyond the Cat 5 limitation of 330 feet.
- Simultaneously supports video, high-speed data, ISDN and POTS telephone service.
- Does not require PC or Software after initial programming has been completed.
- Easily accommodates Access Control system data or data streams from serial data to TCP/IP converters for security, building controls or plant process equipment.

Benefits:

- Low Cost
- Secure
- Easy installation
- Simple programming and configuration
- Implementation in either point to point and or point to multi-point applications.
- Uses existing site phone cabling.

Extreme Copper's VDSL technology provides low cost solutions in an increasingly cost sensitive yet environmentally demanding climate.



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eXtreme Copper

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Specifications:

Ethernet Interface:

- IEEE 802.3 10BaseT compliant
- IEEE 802.3u 100Base TX compliant
- 10/100 Mbps Full and Half Duplex, Auto-Negotiating

VDSL line rates:

- VDSL Rates are configurable via front access or through the GUI interface.

HTTP Web-Based Management:

- Firmware upgrade via inter-modem data link.
- Configuration via front access port
- Panel switch to select console access for Primary or Secondary modem

Electrical:

- External AC power cube
- 5 Watt
- Internal AC power*
100-240 VAC, 47-63Hz, 150 mA
- Internal DC power*
36-75 VDC, 35/355 mA

Indicators:

- One Power
- Two VDSL "Sync",
- Two VDSL Link "Activity"
- Two Ethernet "Good Link",
- Three Ethernet "Activity and Good Link",

Mechanical:

- Height 3.0in (7.6cm)
- Depth 5.0in (12.6cm)
- Width 3.8in (9.6 cm)
- Metal enclosure

Connectors:

- RJ45 for Ethernet access
- RJ11 for VDSL access
- Center positive jack for DC power
- TYCO Micro CPC (1445721-1, 7 pin) for Console access
- IEC for AC power*
- Two position terminal block for 48VDC power*

Operating Environment:

- Temperature: 0°C to +60°C
-37°C to +74°C*
- Humidity: 10 - 95%, non-condensing

Regulatory Compliance:

- FCC Part 15 Class A
- UL 1950/ CSA C22.2 No.950
- G.993.1, T1.424, TS 101 270

Model	Description
RP 300H	Repeater / Extender hardened
RP 300W	Repeater / Extender hardened with Wide Temp Range

* Wide temperature range option

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