



Model RP-300

Ethernet Extension



Description

GDI's advanced VDSL technology has added a new dimension in twisted pair solutions. The RP 300 VDSL modem repeater 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.

Features

- Reduces the Cost of Adding New Nodes to any 10/100 Network
- Supports VDSL, Ethernet and POTS in a hardened, Wall Mount enclosure
- Extends Ethernet operation to 6000 feet
- SNMP Management
- Fully Configurable VDSL rates up to 27MB asymmetrical operation.

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.

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Specifications

Ethernet Interface

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

VDSL Line Rates

VDSL Rates are configurable via front access or through GUI interface

HTTP Web-Based Management

- Firmware upgrade via VOC
- Configuration via front access port

Indicators

- Power
- Ethernet "Good Link"
- Ethernet "Activity"
- VDSL "Sync"

Connectors

- RJ45 for Ethernet access
- RJ11 for VDSL access
- Center positive jack for power
- TYCO Micro CPC (1445721-1, 7 pin) for Console access

Mechanical

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

Electrical

- External AC power cube
- 5 Watt

Environmental

- Temperature: -40°C to +65°C
- Humidity: 10 - 95%, non-condensing

Compliance

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

LED Indicators

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

Specifications subject to change without notice

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