Prestige 964 Cable Modem
DOCSIS 2.0 and 1.1 Based

ZyXEL's Prestige 964 Cable Modem leverages the DOCSIS 2.0 Advanced Time Division Multiple Access (A-TDMA) and synchronous Code Division Multiple Access (S-CDMA) technologies with 3 times upstream capacity than DOCSIS 1.1/1.0 systems. The Prestige 964 is interoperable and backward compatible with DOCSIS 1.1 nd 1.0 system so cable operators can rapidly deploy the Prestige 964 today for a timely transition in continuous service without interruption. The flexibility of Prestige 964 allows cable operators to maximize the today's infrastructure investments and offer higher bandwidth service for the tomorrow's requirements concurrently.

Prestige 964 incorporates valuable features such as simplified troubleshooting with front panel status indicator LEDs, dual USB and Ethernet connection transparently, remote status monitoring over the cable network, proven reliability and quality, and easy plug & play installation. What's more, Prestige 964 has new compact stylish design to meet tight space installation requirements and is priced competitively.

Benefits

- DOCSIS™ 2.0 CableLab® Certification
- DOCSIS 1.1/1.0 backward compatible to current investment
- Integrated A-TDMA and S-CDMA technology-capable of providing up to 30 Mbps upstream data rate
- New compact stylish design to meet tight space installation requirements
- Remote management via SNMP
- 10/100 Base-T Ethernet and USB connectivity
- Bridged Ethernet and USB connection allows communications between USB device and Ethernet LAN
- OS Compatibility
  - For Ethernet connectivity: Windows® 95/98/2000/ME/XP, Macintosh®, Linux and UNIX
  - For USB connectivity drivers: Window® 98/2000/ME/XP
- Front panel LEDs and web-based diagnostic interface for easy troubleshooting
- Remote status monitoring over the cable network
- Supports up to 32 users (1 via USB and up to 31 via Ethernet or 32 users on Ethernet)
- Always on , always connected to the Internet

ZyXEL
Unleash Networking Power

Features & Specifications

Downstream
- Operating Frequency Range: 88 MHz to 860 MHz
- Channel Bandwidth: 6MHz
- Input Impedance: 75ohms (Nominal)
- Modulation: 64QAM or 256QAM
- Maximum Data Rate: 38 Mbps
- Symbol Rates: 64 QAM (5.069 Msym/s) 256 QAM (5.361 Msym/s)
- Operating Level Range: -15 dBmV to +15 dBmV

CPE Network Interface
- Ethernet 10/100 BaseT, USB

Security
- BPI, BPI+
- DOCSIS Packet Filter

Network Management
- Web-based Diagnostics Interface
- SNMP V1, V2 &V3
- Remote Status Monitoring
- Up to 32 Users (1 via USB and up to 31 via Ethernet or 32 users on Ethernet)

Electrical Features
- Power consumption: 5 Vor9VDC @ 1.3 Amps (typical)
- Power Adaptor
    North America:120 VAC, +/- 5%, 60 Hz
    Europe: 230 VAC, +/- 5%, 50~60 Hz

Upstream
- Operating Frequency Range: 5 MHz to 42 MHz (edge to edge)
- Bandwidth: 200 KHz /400 KHz /800 Khz /1.6MHz /3.2 MHz /6.4*MHz
- Output Impedance: 75 ohm (Nominal)
- Modulation: 8*/16/32*/64*/128* QAM or QPSK
- Maximum Data Rate: 30 Mbps**
- Symbol Rates: 160, 320, 640, 1280, 2560 and 5120* ksym/s
- Operating Level Range:
    A-TDMA:
        +8 to +54 dBmV (32QAM, 64QAM)
        +8 to +55 dBmV (8 QAM, 16QAM)
        +8 to +58 dBmV (QPSK)
    S-CDMA:
        +8 to +53 dBmV (all modulations)

Cable WAN Interface
- F-connector, female 75 ohm

Network Protocol
- User MAC Protocol: Ethernet / IEEE802.3; IEEE802.3u
- Transparent Bridging

Mechanical & Environment
- LEDs: PWR, SYS, LAN, USB, DATA, CABLE
- Dimension: 197(W) x 143(D) x 31(H) mm 7.76(W) x 5.63(D) x 1.22(H) inches
- Operating Temperature: 0°C to +40°C (32°F to 104°F)
- Storage Temperature: -30°C to +60°C (-22°F to 156°F)
- Humidity: 5% to 90% Non-condensing

* With A-TDMA or S-CDMA enabled CMTS
** Speed of 30 Mbps is attainable only with A-TDMA or S-CDMA technology.

Rear Panel

- Female "F" Type RF Connector to CATV network
- USB Series B Connector to computer
- RJ-45 Connector to the 10M/100M Hub, Switch or Computer

Package Includes

- Prestige 964 Cable Modem
- Ethernet cable
- USB cable
- Power adapter

- Installation CD-ROM with USB drivers
- Read Me First
- 2-year Standard Limited Warranty

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