INNOMEDIA

MTA 6328-2WRe4S

MULTIMEDIA TERMINAL ADAPTER

NEXT GENERATION VoIP CPE DEVICES FOR BROADBAND SERVICE PROVIDERS

The MTA 6328-2WRe4S represents InnoMedia's next generation of VOIP multimedia terminal adapters. Expanding on the original 6328Re technology, the new MTA 6328-2WRe4S has all of the great features of the MTA 6328Re, with an added 4-port switch and an 802.11g Wi-Fi Access Point for blazing fast 54Mbps wireless networking.

Standalone MTA 6328-2WRe4S with 2 voice ports

KEY BENEFITS

- Ideal for deploying to consumer and SOHO broadband customers
- Flexible system interoperability and platform support protects your network investment
- Easy to install and auto-provision
- QoS features provide PSTN-like voice quality service
- CLASS features support with call agents or softswitches
- NAT & DHCP server functionalities ideal for home networks
- 54Mbps 802.11b/g wireless access point, and 10/100Mbps wired 4-port switch
- Secured wireless access via both WEP and WPA

The standalone MTA 6328-2WRe4S with 2 voice ports is an ideal solution for broadband service providers looking to deploy new revenue-generating telephony services to their customers. Compatible with any standard analog telephone set, the MTA 6328-2WRe4S delivers voice quality and features equivalent or superior to those of PSTN. Its versatile and open system interfaces provide the flexibility to work with many different networks (HFC cable, ADSL, fiber, wireless) and broadband access devices. The MTA 6328-2WRe4S allows users to share their broadband connection throughout their home network by allowing PCs to be connected to either the built-in switch, or the built-in 802.11g Wi-Fi access point. Its data rate limiting feature ensures voice quality during phone calls by automatically throttling down data throughput and reserving bandwidth for voice whenever a call is in progress. It is highly interoperable and can be used with SIP-based Softswitches. For remote provisioning, monitoring and testing, the MTA 6328-2WRe4S supports HTTP, SNMP, TFTP, FTP, and Telnet.

The MTA 6328-2WRe4S supports TCP/IP and allows for VPN connections with PPTP and IPSec pass-through capabilities. This feature is ideal for individuals who telecommute from home or small offices that need to create a single VPN connection to remote networks. For secure connections, the Wi-Fi access point can encode all wireless transmissions with up to 128-bit encryption, and supports both Wired Equivalent Privacy (WEP) and Wi-Fi Protected Access™ (WPA). NAT capabilities provide simultaneous Internet access for multiple PCs (see Figure 1). The built-in DHCP server automatically assigns IP addresses to devices on the network. The web-based interface allows configuration of the MTA 6328WRe4S to handle IP routing and port forwarding for various services, such as FTP and Telnet, and other applications, such as gaming and remote PC access.

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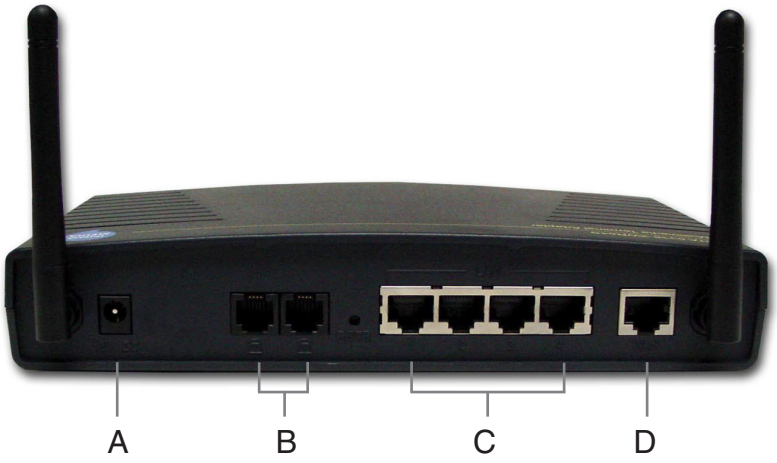
MTA INTERFACES

A. Power
B. RJ-11 ports (connect to phones)
C. LAN ports (connect to PCs)
D. WAN port (uplink to broadband access device)



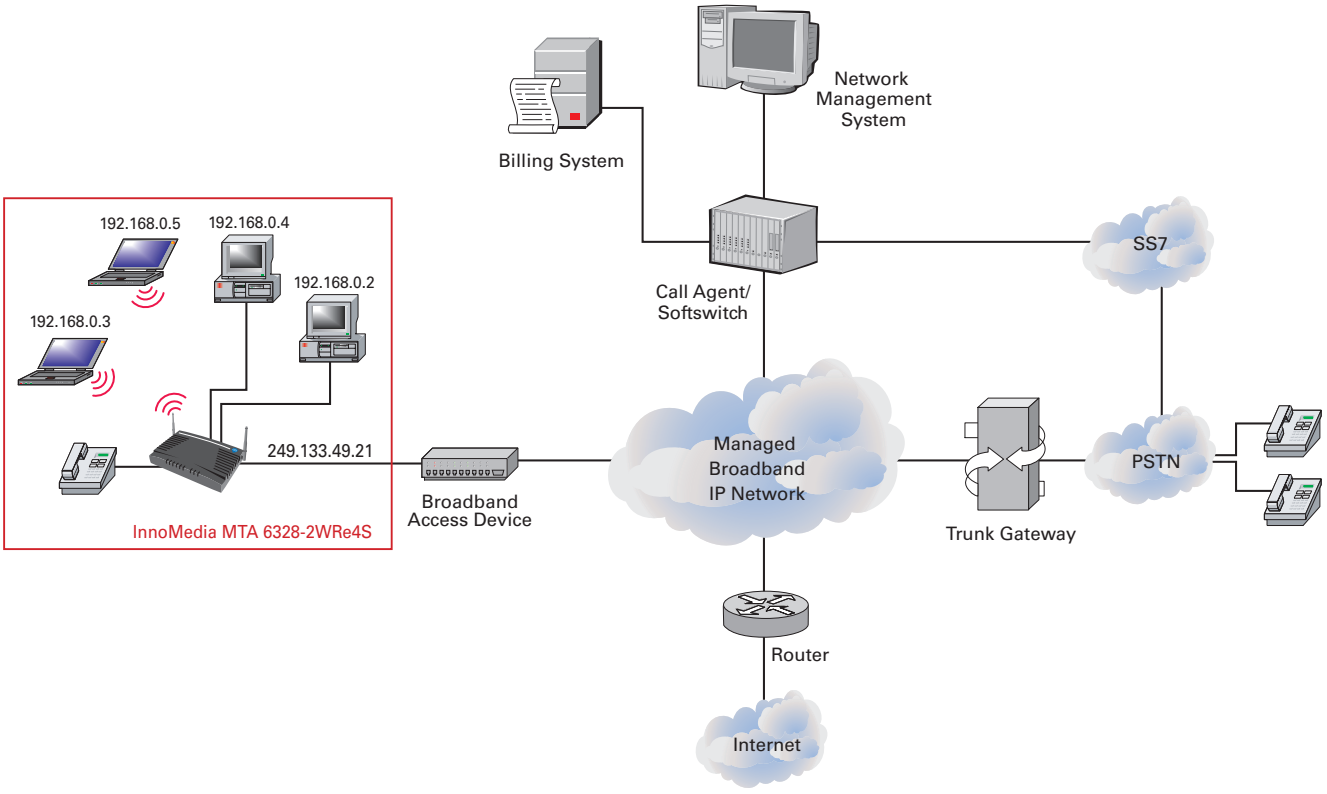


Figure 1- Typical Applications For MTA 6328-2WRe4S

SPECIFICATIONS

Product Specification

Category	Specification
Telephone Interface	2 FXS voice ports
Network Interface	One 10/100 Base-T RJ-45 uplink port, Four-port 10/100 Base-T downlink switch
Accessory	Ethernet Cable, AC/DC Power Adapter
Wireless	802.11g, 802.11b 11 Channels (North America) Transmit power 17dBm WPA, WEP, TKIP, MAC filtering

Software Specification

Category	Specification
Protocols	SIP 2.0
Speech Codec Capabilities	G.711 and one of the following: G.726 G.728; G.729E (High quality high complexity codecs) G.723.1; G.729A (Low bit rate codecs) Supports 3-way conferencing with compression
Quality of Service	IEEE 802.1p/q; IP TOS Tagging; Built-in Priority Switch; Data Bandwidth Control; Adaptive jitter buffer
Signal Processing	Echo cancellation: G.168 T.38 Fax (or fall-back to G.711) Caller ID FSK signal regeneration Line reversal
Certification	FCC part 15B; CE; UL
Tones	Ring back tone Reorder tone Off hook warning tone Call waiting tone Busy tone Dial tone Message waiting tone (MWI)/Stutter tone
DTMF Tone	DTMF tone detection and generation/RFC2833
Announcements	Play out any voice stream sent by Call Agent or SIP Proxy controlled announcement server Device IP announcement
OAM&P	Access components implemented: CLI, TFTP, HTTP 1.0, SNMP, Telnet, DHCP or DNS, HTTPS (available soon) Works with any SNMP (v.1, v.2c, v.3)-based EMS Offers web-based access as well as TFTP-based remote software downloads/upgrades Provisionable set feature codes
Features	Built-in DHCP server NAT capabilities for simultaneous Internet access for multiple PC's IP routing and port forwarding MAC cloning IP/Domain filtering STUN NAT traversal Port-based VLAN Multi-SSID

SPECIFICATIONS *continued*

Physical Specification

Category	Specification
Power Consumption	Idle: 12V/0.19A (2.28W) / Talking: 12V/0.28A (3.36W)
Power Supply	Output: DC 12V, 500mA / Input: AC 120V, 60Hz, 100mA
Dimensions	8.30 in (W) x 5.35 in (D) x 1.53 in (H) / 211 mm (W) x 136 mm (D) x 39 mm (H)
Operating Temperature	32ºF to 122ºF (0ºC to 50ºC)
Storage Temperature	-4ºF to 158ºF (-20ºC to 70ºC)
Operating Humidity	10 to 90% RH
Storage Humidity	5 to 95% RH

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