

INNOMEDIA

MTA 6628-1e2S

ADSL INTEGRATED VOIP TERMINAL ADAPTER

ADSL INTEGRATED VOIP TERMINAL ADAPTOR IDEAL FOR ADSL ACCESS SERVICE PROVIDERS TO DELIVER TRIPLE-PLAY SERVICES

KEY BENEFITS

High-speed Internet access with ADSL, ADSL2, and ADSL2+

Advanced voice/fax features

Ideal for broadband triple-play service deployments with voice prioritization and two differential QoS* managed data ports

Highly interoperable with softswitches/call agents and flexible auto-provisioning and device management allowing rapid and scalable service deployment

Integrated with ADSL/ADSL2/ADSL2+ modem to deliver high-quality voice, wire-speed routing, and port based quality of service (QoS) management, MTA 6628-1e2S is ideal for ADSL access service providers to deliver ADSL-based residential triple-play services.



Standalone MTA 6628-1e2S with 1 voice port

With 1 voice port and 2 LAN ports, MTA 6628-1e2S is an ADSL integrated VoIP device ideal for ADSL access service providers to deploy residential broadband triple play (voice, high-speed Internet access, and IP TV) services.

- Supporting high-speed ADSL, ADSL2, and ADSL2+ standards over existing copper lines
- Guaranteed voice quality: Advanced rate limiting scheme guarantees voice packet bandwidth and priority, thus, ensuring voice quality with simultaneous high speed data transmissions in progress
- Wire-speed routing: Dedicated routing processors assures maximum routing throughput independent of data packet size. This advanced routing performance makes MTA 6628-1e2S an ideal device for ADSL2+ deployments in which data throughput is critical
- Port-based QoS*: MTA 6628-1e2S allows Ethernet port-based QoS settings (802.1pq, ToS), packet prioritization, and bandwidth control. These features are ideal for high-speed triple play services which deliver real-time voice, high-speed Internet access, and high-bandwidth video streaming services

* Check for availability

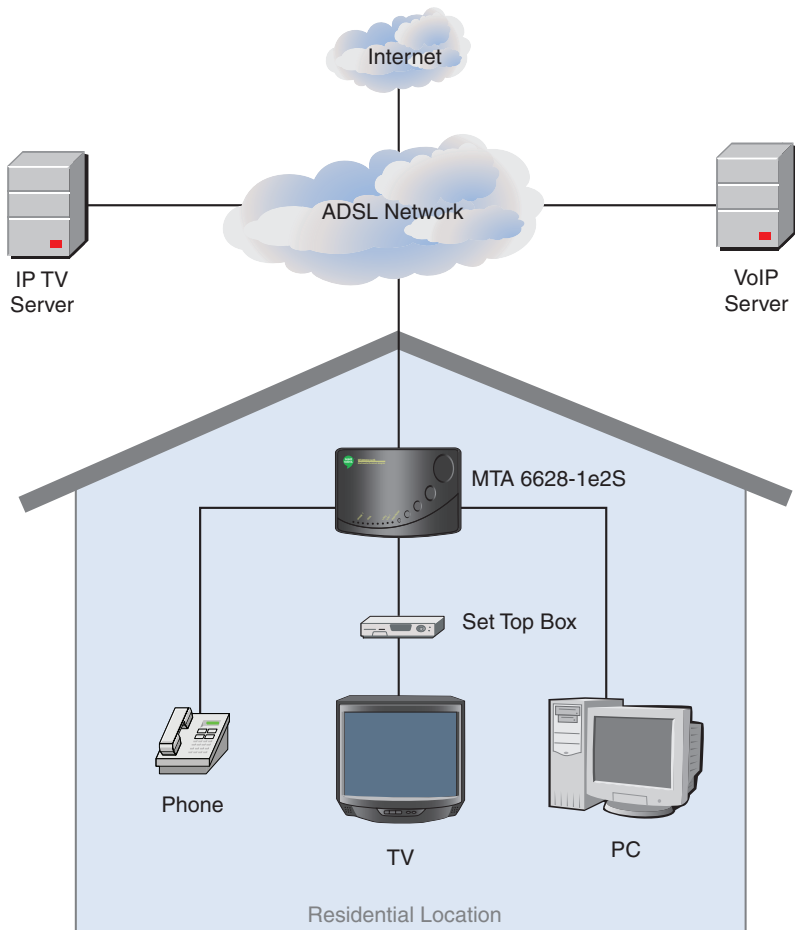
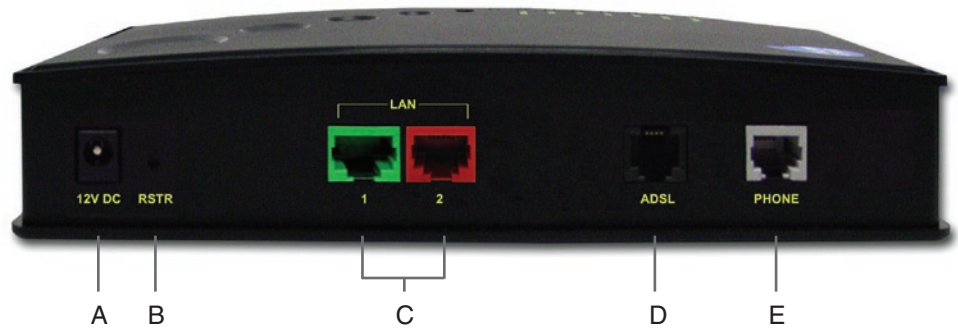


MTA 6628-1e2S also offers advanced VoIP features for rapid and high-performance VoIP service deployment:

- Voice & Fax: Supports G.711, G.723, G.726, and G.729 compression, dynamic jitter buffer, echo cancellation for voice, and T.38 & G.11 fallback for fax
- VoIP protocol support and interoperability: Supports MGCP/NCS and SIP protocols, which are highly interoperable with SIP softswitches and MGCP/NCS call agents
- Auto-provisioning: Supports HTTP and TFTP provisioning
- Remote device management: Supports InnoMedia Remote Device Management for remote device management, monitoring, and debugging including Telnet and web access
- Remote networking: supports TCP/IP and allows for VPN connections with PPTP and IPSec pass-through capabilities for telecommuting

MTA INTERFACE

- A. Power
- B. Restore button
- C. LAN ports
- D. ADSL port
- E. RJ-11 port



SPECIFICATIONS

Product Specification

Category	Specification
Network Interface	One RJ-11 port for ADSL connection
Telephone Interface	1 FXS voice port
Downstream Data Interface	2 RJ-45 10/100 Base-T auto-sensing Ethernet connection

DSL & ATM Protocol Specification

Specification
G.992.1 (G.DMT), G.992.3, G.992.5 (ADSL2+)
8 PVC support
PPP over AAL5 (RFC 2364)
PPP over Ethernet (RFC 2516)
MPOA (RFC 1483/2684)
Classic IP over ATM (RFC 1577)*
VC and LLC based multiplexing

* Check for availability

Software Specification

Category	Specification
Protocols	SIP 2.0, MGCP 1.0, NCS 1.0
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; Ethernet port-based priority and bandwidth control; Adaptive jitter buffer
Signal Processing	Echo cancellation: G.168 T.38 Fax (or fall-back to G.711) Line reversal/Polarity reversal 16 Khz metering pulse (MGCP only) Caller ID FSK signal regeneration
Certification	FCC part 15B and CE
Tones	Ring back tone Reorder tone Off hook warning tone Message waiting tone (MWI)/Stutter tone Busy tone Dial tone Call waiting 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 (SIP only)
OAM&P	Access components implemented: CLI, TFTP, HTTP 1.0, SNMP, Telnet, DHCP or DNS 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 STUN NAT traversal (SIP only)

SPECIFICATIONS *continued*

Physical Specification

Category	Specification
Power Consumption	Idle: 12V/4.8W max.; Talking: 12V/5.7W max.
Power Supply	Output: DC 12V, 1A; Input: AC 120V, 60Hz, 200mA
Dimensions	8 in (W) x 5.125 in (D) x 1.625 in (H) / 204 mm (W) x 128 mm (D) x 40 mm (H)
Operating Temperature	32°F to 104°F (0°C to 40°C)
Storage Temperature	-4°F to 158°F (-20°C to 70°C)
Operating Humidity	10 to 90% RH
Storage Humidity	5 to 95% RH

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