INNOMEDIA

MTA 6328-16

MULTIMEDIA TERMINAL ADAPTER

16-PORT VOIP GATEWAY FOR ENTERPRISE CUSTOMERS

The MTA 6328-16 is a high performance and highly integrated VoIP terminal adaptor. It is designed to offer features and performance demanded by the enterprise markets.

KEY BENEFITS

Ideal Solution for Broadband Telephony Service Providers to Deliver Telephony and Broadband Internet Services to Enterprise Customers

Business environment friendly
- PBX (Ground start/Loop start, OSI)
- FAX (T.38 and G.711 fallback)
- High & low speed modem support (credit card reader transactions)

Simultaneous 3-way calls with compression on each line

High data throughput

Flexible Auto-provisioning

QoS Features (802.1 p/q, ToS) for optimum voice & data traffic management

Metering pulse for payphone applications

CLASS Feature Support with Call Agents or Softswitches

InnoMedia's MTA 6328-16 is a 16 voice port MTA device that offers broadband telephony service providers to deliver new revenue generating telephony services to their business customers (Figure 1). It can also be used in conjunction with an IP PBX as an enterprise IP-based PBX solution (Figure 2). The MTA 6328-16 has rich set of business features including ground start and loop start for business PBX's, foreign voltage detection to allow house wiring and prevent accidental connection of house wires to live PSTN, T.38 and G.711 fallback for fax, and metering pulse for payphone applications.

In addition to business friendly features, MTA 6328-16 also supports flexible auto-provisioning, remote manageability through InnoMedia's Device Management System, and works with softswitches to offer a wide variety of call features including Caller ID, Call Waiting, Call Forwarding, Call Return, Caller ID Blocking, Call Trace, Automatic Callback, as well as device based 3-way calling.

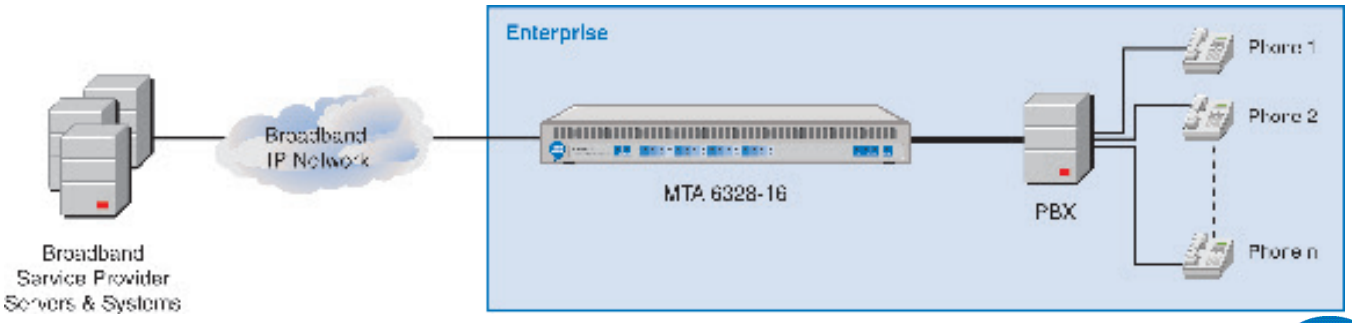


Figure 1

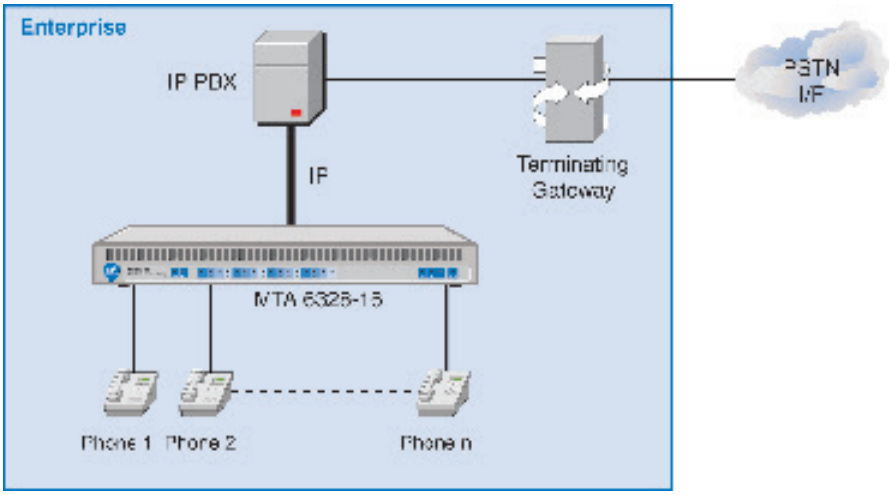
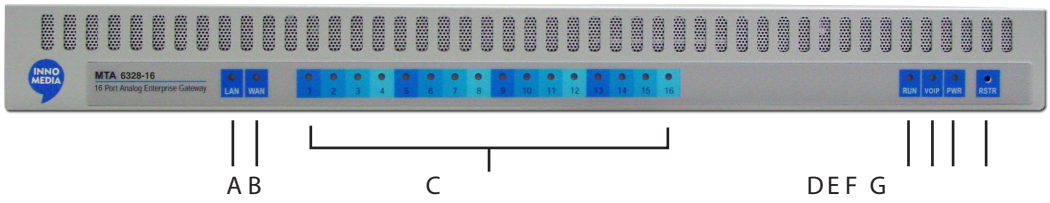


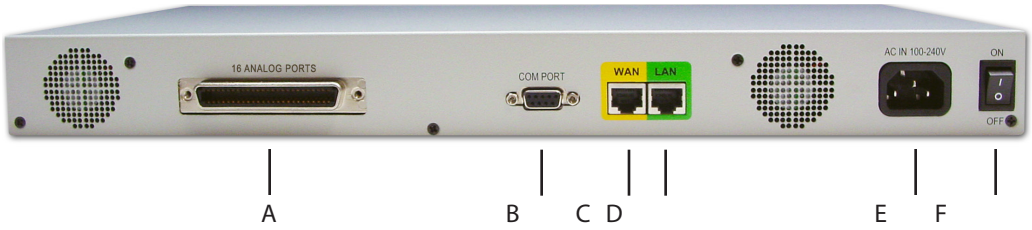
Figure 2

MTA INTERFACES

A. LAN LED
B. WAN LED
C. 1-16 Voice LEDs
D. RUN LED
E. READY LED
F. POWER LED
G. Restore button



A. Amphenol connector for voice
B. COM port
C. WAN port
D. LAN port
E. AC power input
F. Power on-off switch



SPECIFICATIONS

Product Interfaces

Category	Specification
Broadband Uplink Interface	10/100 BaseT Ethernet (RJ-45)
Telephone Interface	16 FXS Voice Ports (Amphenol connector)
User Data Interface	10/100 BaseT Ethernet (RJ-45); 9-pin serial diagnostic interface

SPECIFICATIONS cont.

Telephony Specifications

Category	Specification
Protocols	SIP 2.0, MGCP 1.0
Speech Codec Capabilities	G.711, G.726 (No compression & simple compression) G.728, G.729E (High quality high complexity codecs) G.723.1, G.729A (Low bit rate codecs) Supports 3-way conferencing with compression
Signal Processing and FXS line signals	G.168 Echo cancellation FAX (T.38 and G.711 fall-back) Caller ID FSK signal regeneration FXS voltage drop when CA or RF fails Ground Start/Loop Start Line reversal 16 KHz Metering pulse (MGCP only)
Approval	FCC Part15A
Tones	Ring back tone Recorder tone Dial tone Ring splash Off hook warning tone Caller ID generation & call waiting tone Busy tone 5 distinct rings Confirmation tone Stutter tone Message waiting indicator (MWI)
DTMF Tone	DTMF tone detection and generation / RFC2833
Announcements	Play out any voice stream sent by Call Agent controlled announcement server
OAM&P	Access components implemented: TFTP, FTP, HTTP 1.0, SNMP, Telnet, DHCP & DNS Works with any SNMP (v.1-3) -based EMS Offers web-based access as well as HTTP or TFTP-based remote software downloads or upgrades
QoS	802.1 p/q; IP TOS tagging; Built-in Priority Switch; Data Bandwidth Control; Adaptive Jitter Buffer

Physical Specifications

Category	Specification	
Power Consumption	Talk	31W (loop current ≤ 32 mA)
	Idle	13W
Loop Current	For load of 600Ω, SNMP-settable to 23 mA (default) or 32 mA (max.)	
Ring Voltage	> 40 VRms @ 2000 ft. 5 REN max. per port, 24 REN total aggregate 24 AWG loop	
Power Supply	AC 110~240V/50~60Hz	
Dimensions	1.75 in (H) x 17.3 in (W) x 10 in (D) / 44.45 mm (H) x 439.42 mm (W) x 254 mm (D)	
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 95% RH	
Storage Humidity	5 to 95% RH	

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