

# INNOMEDIA

# MTA 3050

## MULTIMEDIA TERMINAL ADAPTER

### PRI DUAL-MODE ENTERPRISE GATEWAY FOR BROADBAND NETWORKS



#### KEY BENEFITS

Delivers voice services over PSTN and IP networks simultaneously

Seamlessly integrates into existing PBX networks

Does not change end-user interaction with phone

Flexible DigitMap options

Easy to install and auto-provision

QoS features provide high-quality voice service

Ideally suited to the Small to Medium-Sized Enterprise (SME) market, the MTA 3050 provides high-quality VOIP service with the added reliability of PSTN connectivity to address issues such as E911 access, network failover, and call routing management. This feature offers the service operator complete flexibility in rolling out VOIP services to SME customers. Designed to interface with a T1-based PBX, the MTA 3050 provides VOIP connectivity over Ethernet and is interoperable with both SIP and MGCP call agents.

The MTA 3050's rich feature set makes it very easy for administrators to install and provision. A web-based GUI offers complete control through a browser, enabling remote and local administration. In addition, the MTA 3050 supports remote software upgradeability making it very easy to upgrade to add new features and enhancements. Other features such as detailed system event logging, call detail records, and real-time active call status indicators give administrators a complete pulse of the MTA 3050's health at any time.

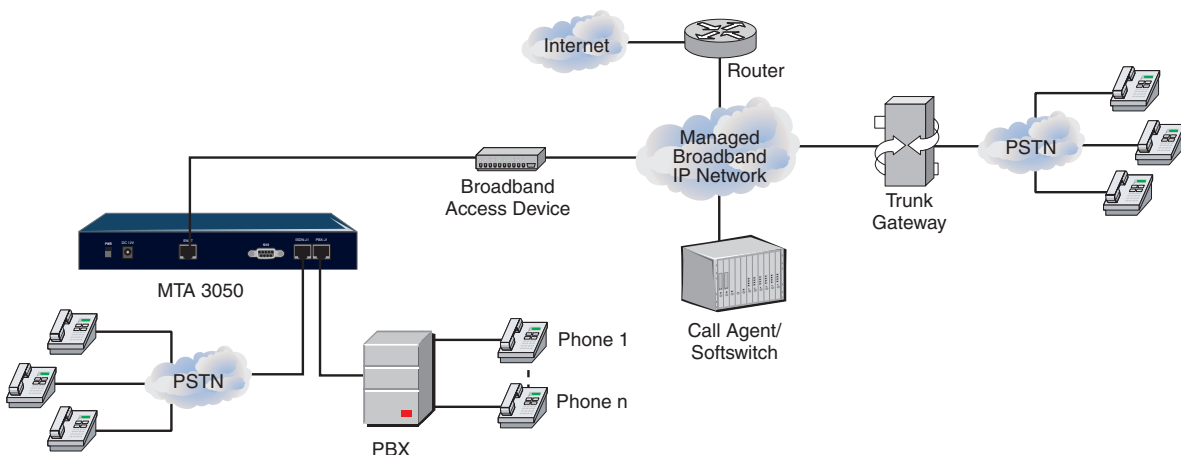


Figure 1 - Voice Services Over Both PSTN and IP Networks



## FEATURES

### Flexible DigitMap To Direct Call To IP Or PSTN

The MTA 3050's most compelling feature is its flexible digit map architecture. Through the use of a service operator-defined digit map, the MTA 3050 can intelligently route calls to either the VOIP or PSTN network. The MTA examines all dialed calls against the digit map and determines which network to send the call to. For example, calls to emergency numbers (911,110,etc.), directory assistance (411,104, etc.), toll-free numbers (800,005,etc.), or any other designated area codes can be configured to connect through to PSTN, while all other numbers are carried by the service operator's VOIP network. This feature offers the operator flexibility and control of the MTA 3050's call patterns, allowing for better management of the VOIP network.

### Designed For Greater Call Reliability - PSTN Fallback If IP Network Down

The MTA 3050 is designed to provide high telephony reliability, assuring that calls will always be connected by passing calls through to PSTN in the event of an IP connection interruption, or if the VoIP system is unavailable. For example, if VoIP calls cannot be made via the VoIP network, calls originated from A1 will be switched to CO port B1.

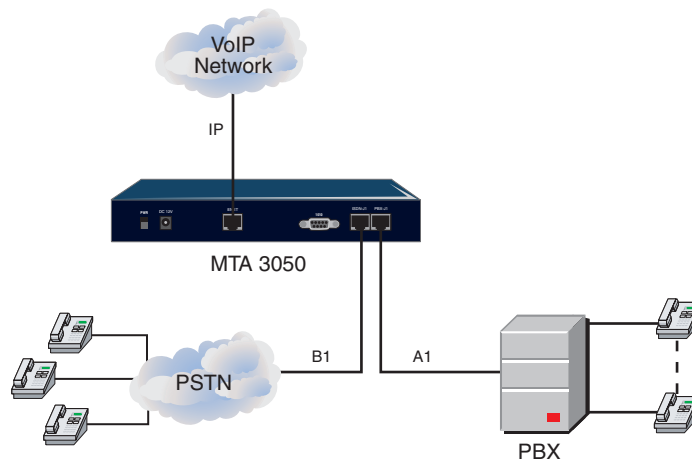
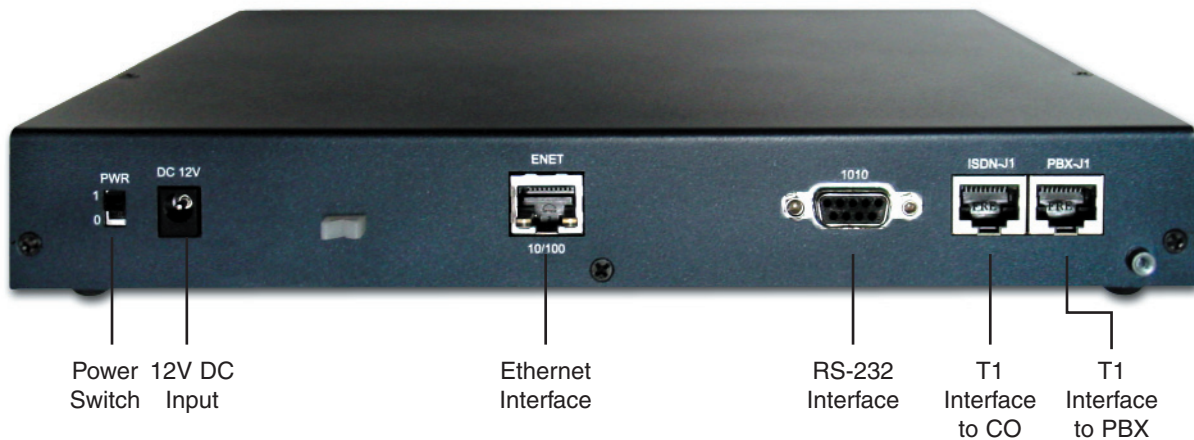


Figure 2

### Provides Web Interface For Monitoring Port Status, Call Detail Records, And Uploading Firmware

The Web GUI allows the administrator to perform various functions on the unit. The real-time status of any port on the MTA 3050 can be accessed through any browser. Detailed call records (CDR) can be displayed for any calls made since the last time the device was rebooted. Finally, firmware updates are easily performed via the web-browser interface.



## SPECIFICATIONS

### Product Specification

Category	Specification
PBX Interface	One T1 interface, 23B+D
PSTN Interface	One T1 interface, 23B+D
Network Interface	One 10/100 auto-sensing Ethernet interface
Console Interface	One 9-pin RS-232 interface
Included Accessories	AC/DC Power Adapter, RJ-45 cables

### Software Specification

Category	Specification
VoIP Protocols	MGCP 1.0; SIP 2.0
T1 Protocols	PRI, Japan PRI
E1 Protocols	PRI (Check with InnoMedia for availability)
Speech Codec Capabilities	G.711; G.729
Quality of Service	IP TOS Tagging
Signal Processing	Fax (fall-back to G.711) and caller ID
Dialing and Tones (VoIP)	DTMF only; Ring back tone; Busy tone; Reorder tone; Confirmation tone
OAM&P	Access components implemented: TFTP client, HTTP 1.0 server, Telnet server, DHCP client, DNS client, SNMP client, SYSLOG client Web-based access and TFTP-based remote software upgrade capability

### Physical Specification

Category	Specification
T1 Clock Accuracy	+/- 25 ppm
Power Consumption	12V, 1.5A
Power Supply	Output: DC 12V, 1.5A / Input: AC 100V, 50/60Hz
Dimensions	10.43 in (H) x 7.09 in (W) x 1.57 in (D) / 265 mm (H) x 180 mm (W) x 40 mm (D)
Weight	2.92 lbs / 1090 g
Operating Temperature	32°F to 104°F (0°C to 40°C)
Operating Humidity	10 to 90% RH

### System Requirements

Before installing this product, you will need to ensure that the following minimum equipment has been installed and provisioned at the customer's premises:

- T1 line connection from the local telephone company (PRI protocol)
- PBX with T1 interface (PRI protocol)
- Broadband connection to service operator's VoIP network (Ethernet interface to a broadband access device)

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