INNOMEDIA

MTA 3080

MULTIMEDIA TERMINAL ADAPTER

T1 DIGITAL GATEWAY FOR BROADBAND NETWORKS

KEY BENEFITS

Ideal For Deploying To Small-to-Medium Sized Businesses

Flexible System Interoperability And Platform Support

Easy To Install And Auto-Provision

QoS Features Provide High-Quality Voice Service

The MTA 3080 is the ideal digital gateway solution for a service provider's small and medium-sized enterprise (SME) customers who use a PBX with a T1 interface. Its Ethernet-based interfaces provide the flexibility to interoperate with any broadband network, and the MTA 3080 is compatible with SIP 2.0-compliant softswitches.

The MTA 3080 has rich features to make it very easy for administrators install and provision. A web-based GUI offers complete control through a browser, enabling remote and local administration. In addition, the MTA 3080 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 3080's health at any time.

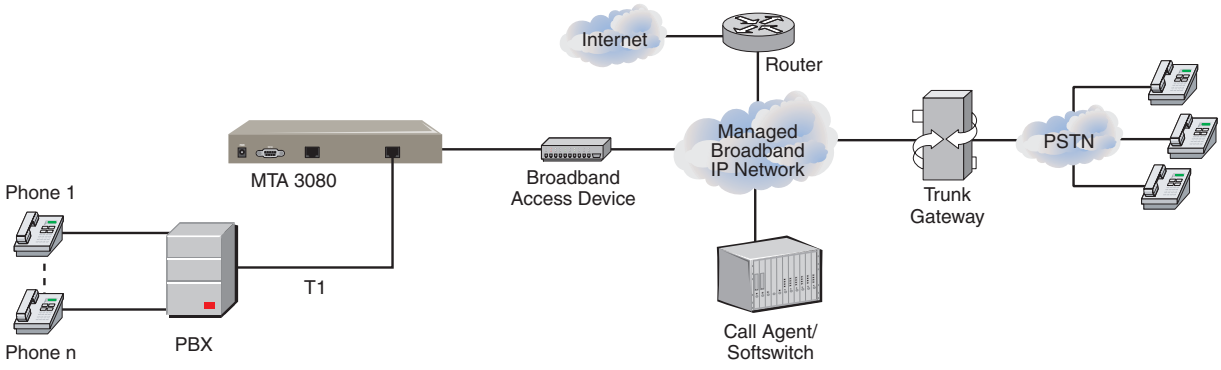


Figure 1 - Voice Services Over IP Networks

FEATURES

The MTA 3080 has a rich feature set that makes it a much more compelling solution compared to other VoIP products. These additional features give the Digital Gateway family a unique advantage over other competitive devices.

Provisioning

Remote management and provisioning capability is a key requirement for any service operator deploying hundreds of devices in the field. This not only makes managing devices easier and more efficient, but also reduces the potential for errors that can arise in manual configuration of each device. Devices typically have many different configurable parameters, such as call agent address, time server address, digit maps, firmware version, etc. Various tools allow a service operator to remotely administer such settings.

- **Configuration File** - The MTA 3080 supports provisioning using an ascii configuration file. This configuration file can be stored on a remote server to be accessed by the MTA 3080 to retrieve its settings and upgrade instructions.
- **HTTP Provisioning** - The MTA 3080 can be provisioned by an HTTP-based provisioning server such as InnoMedia's VSP5K. This system uses XML-based instructions to assign parameters to the MTA.
- **Script-based Upgrades** - Firmware for the MTA 3080 can be updated using a script-based approach. This not only saves bandwidth, but also reduces the time needed to apply firmware updates over the WAN. This reduces device downtime and increases availability for calls.

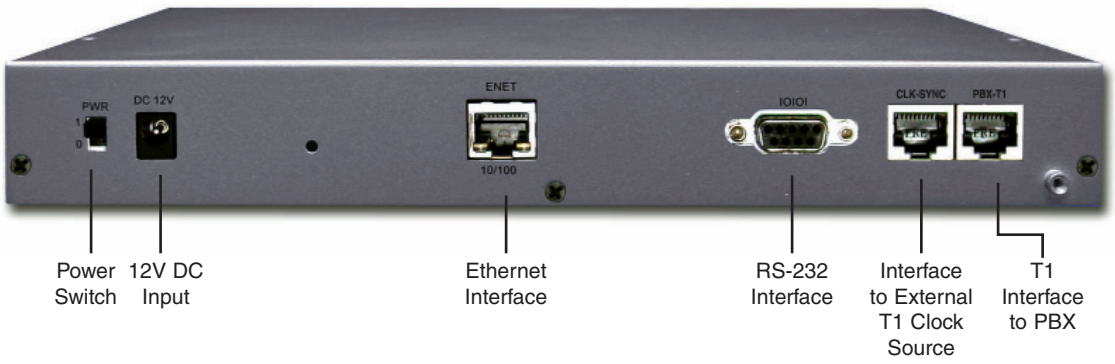
Diagnostics

A typical concern for many service operators managing remote devices at customer premises is diagnostics. Namely, if a service call comes in, how do the support personnel quickly ascertain the cause of the problem? The MTA 3080 has many features that make it easier to determine the cause of a problem so that measures can be taken to correct it.

- **ISDN Cause Codes** - ISDN standard cause codes are provided in real-time call detail records for disconnected calls. This is helpful for understanding why a specific call was dropped. For example, cause code #17 would indicate that the number dialed was busy.
- **Syslog Events** - Standard syslog events are generated and sent to a server. Problematic events such as a faulty upgrade process or failing DSP are immediately detected by the gateway and a log is generated and sent to a syslog server specified by the administrator.
- **VOIP Network Status** - The status of the 3080's connection to the VOIP network is easily determined via the web interface or through a visual check of an LED on the front of the unit.

VOIP Features

- **VOIP DID** - VOIP DID allows the MTA 3080 to send incoming VOIP calls directly to internal extensions of the PBX. This feature preserves the behavior of the original PSTN DID lines, so that incoming calls are handled in the same manner.
- **Hunting** - For installations that require multiple devices, the MTA 3080 supports both VOIP line hunting and PSTN line hunting(if subscribed). This enables customers to easily add additional capacity if and when it becomes necessary.



SPECIFICATIONS

Product Specification

Category	Specification
PBX Interface	One T1 interface, 23B+D
Clock Sync Interface	One T1 Clock Sync Interface
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	SIP 2.0
T1 Protocols	PRI
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, DHCP client, DNS client, SNTP 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	32ºF to 104ºF (0ºC to 40ºC)
Operating Humidity	10 to 90% RH

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