InnoMedia Business VoIP ATA Models

MTA8328-4, MTA8328-8, MTA8328-24

Quick Installation Guide

MTA8328-24
MTA8328-4
MTA8328-8
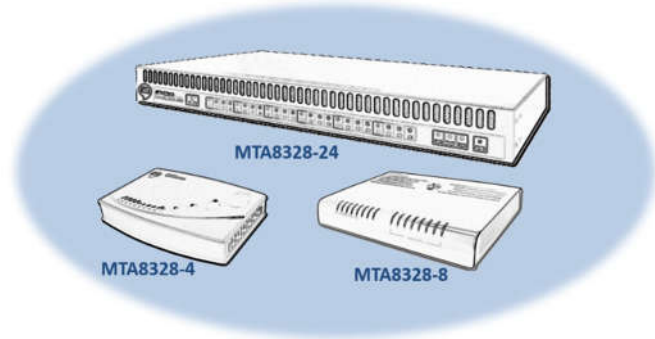
Introduction

Expanding on InnoMedia's widely deployed Broadband IP Telephony product family, the MTA8328 provides crystal-clear wideband voice communications with a high degree of manageability, allowing rapid and scalable SOHO/Enterprise VoIP service deployment.
Package Contents
1 MTA
1 RJ-45 Ethernet Cable
1 Quick Install Guide
Power Input:

- 1 12V AC Power Adaptor (MTA8328-4, MTA8328-8)
- 1 Power Cable (MTA8328-24)

Important Safety Instructions—Protective Earthing
Protective earthing is used as a safeguard. This equipment must be earthed. The power plug must be connected to a properly wired earth ground socket outlet. An improperly wired socket outlet could place hazardous voltage on accessible metal parts.

Installation: MTA8328-4   MTA8328-8

MTA8328-4 Backview

MTA8328-8 Backview

① Plug the supplied power adapter into the MTA8328 "12V DC" socket. The power LED will show steady green.

② Connect phones or other analog devices into any of the PHONE ports on the MTA.

③ Setup the MTA to connect to the Internet. Connect the yellow Ethernet cable (supplied) into the WAN port on the MTA and connect the other end into an available Ethernet port on your router or network switch.

④ Confirm that the MTA is successfully connected to the Router and acquires an IP address. See WAN LED states in the LED table below to confirm that the MTA is connected. The MTA WAN interface is configured as a DHCP client by default, and may obtain an IP address from a DHCP server.

⑤ Once the MTA connects to the voice service provider network, and completes the registration and service provision process, a solid green PHONE LED should be displayed.

Installation: MTA8328-24

① Plug the supplied AC power cable into the MTA's "AC IN 110-240V" connector.

② Connect a 25 pair/50 pin Amphenol cable to the MTA's "24 ANALOG PORTS" connector. The Amphenol cable should be connected to a patch panel with RJ-11 ports. Connect phones or other analog devices to the RJ-11 ports on the patch panel.

③ Setup the MTA to connect to the Internet. Connect the yellow Ethernet cable (supplied) into the WAN port on the MTA and connect the other end into an available Ethernet port on your router or network switch.

④ Confirm that the MTA is successfully connected to the Router and acquires an IP address. See WAN LED states in the LED table below to confirm that the MTA is connected. The MTA WAN interface is configured as a DHCP client by default, and may obtain an IP address from a DHCP server.

⑤ Once the MTA connects to the voice service provider network, and completes the registration and service provision process, a solid green PHONE LED light should be displayed.

LED Status Summary

| LEDs	Blinking State	MTA8328 State
PWR	Steady Green	Powered ON.
	Off	Powered OFF.
WAN	Solid or Blinking Green	WAN Ethernet 1000BT link is active, blinks with activity.
	Solid or Blinking Yellow	WAN Ethernet 10/100BT link is active, blinks with activity.
	Off	WAN Ethernet link is not connected.
	Fast Blinking Green (0.25 secs on, 0.25 secs off)	WAN Ethernet 1000BT link is active but is unable to reach the Internet.
	Fast Blinking Yellow (0.25 secs on, 0.25 secs off)	WAN Ethernet 10/100BT link is active but is unable to reach the Internet.
	Medium-Slow Blinking Yellow (1 sec on, 1 sec off)	Device firmware is being upgraded. The PHONE LED blinks in unison with all other LEDs (except PWR LED)
LAN	Solid Green	LAN Ethernet 1000BT link is active, blinks with activity
	Solid Yellow	LAN Ethernet 10/100BT link is active, blinks with activity
	Medium-Slow Blinking Yellow (1 sec on, 1 sec off)	Device firmware is being upgraded. The PHONE LED blinks in unison with all other LEDs (except PWR LED)
	Off	LAN Ethernet link is not connected.
RUN	Fast Blinking Green (0.25 secs on, 0.25 secs off)	Device is being provisioned or firmware is being upgraded.
	Fast Blinking Red (0.25 secs on, 0.25 secs off)	Device provisioning or firmware upgrade has failed.
	Solid Green	Device has been provisioned or firmware upgraded has been successful.
	Off	Device has provisioning disabled.

PHONE 1 through 24 (depending on Model)	Off	- No power, OR - Device is initializing, OR - Failed to register for voice services, OR - Line is disabled.
	Steady Green	The device is ready to make calls.
	Slow Blinking Green (3 secs on, 1 sec off)	There are new voicemail messages.
	Medium-Fast Blinking Green (0.5 secs on, 0.5 secs off)	The device is registered and ready to make calls, and the line is in use.
	Fast Blinking Red (0.25 secs on, 0.25 secs off)	One or more line diagnostics tests (GR-909) failed. This state is cleared when the GR-909 tests are run again and all tests pass, or when the device is rebooted.

Wall-Mounting Instructions –MTA8328-4, MTA8328-8

Optionally, you may choose to mount your MTA on the wall.
1. Use the provided template to drill two holes on the wall.
2. Use a screwdriver to install one #6 metal screw in each hole. Leave the screw heads 1/4 to 3/8 inch away from the wall.
3. Position the MTA with the ports at the top.
4. Place the unit above the screws and lower it so the screw heads are inside and at the tops of the wall mount slots on the back of the unit.
5. Adjust to ft. If the unit is too loose, remove it from the wall, slightly tighten screws, and rehang.

#6 metal screws   6.6"

#6 metal screws   5.12"
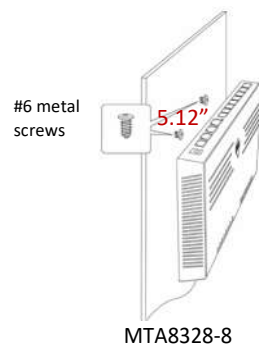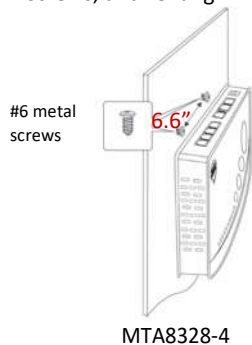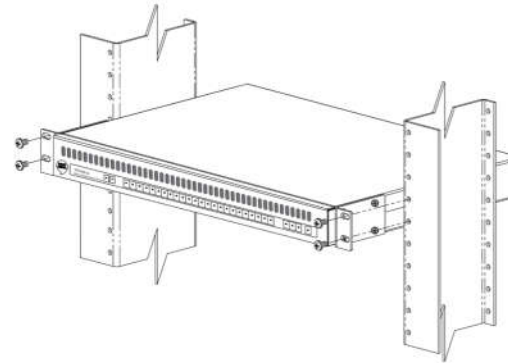
MTA8328-4   MTA8328-8

Wall-Mounting Instructions – MTA8328-24

A wooden back-board is recommended for wall mount. Install 4 wood screws or wall-mount mounting screws (not provided) into the back-board or the wall.

Rack-Mounting Instructions – MTA8328-24

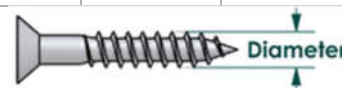Install 4 rack-mount screws (not provided) into the mounting holes of the rack and tighten firmly.

Rack Mounting   Wall Mounting

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Machine Screw Diameters

Size	Thread Diameter		Threads per inch	Screw Length
	Decimal	Nearest Fractional		
#6	0.138"	9/64"	18	1-1/2"

Diameter

Important Safety Instructions

This section contains important safety information you should know before working with the DEVICE. Use the following guidelines to ensure your own personal safety and to help protect your DEVICE from potential damage.

Warning This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents
Only trained and qualified personnel should be allowed to install, replace, or service this equipment.

To avoid electric shock, do not connect safety extra-low voltage (SELV) circuits to telephone-network voltage (TNV) circuits. LAN ports contain SELV circuits, and WAN ports contain TNV circuits. Some LAN and WAN ports both use RJ-45 connectors. Use caution when connecting cables. Statement 1021

Warning Before working on a system that has an on/off switch, turn OFF the power and unplug the power cord.

Warning This unit is intended for installation in restricted access areas. A restricted access area is where access can only be gained by service personnel through the use of a special tool, lock and key, or other means of security, and is controlled by the authority responsible for the location.

Warning This product relies on the building's installation for short-circuit (overcurrent) protection. Ensure that a fuse or circuit breaker no larger than 120 VAC, 15A U.S. (240 VAC, 10A international) is used on the phase conductors (all current-carrying conductors).

Warning This equipment must be grounded. Never operate the equipment in the absence of a suitably installed ground conductor. Contact the appropriate electrical inspection authority or an electrician if you are uncertain that suitable grounding is available.

Warning Do not work on the system or connect or disconnect cables during periods of lightning activity.

Warning Before working on equipment that is connected to power lines, remove jewelry (including rings, necklaces, and watches). Metal objects will heat up when connected to power and ground and can cause serious burns or weld the metal object to the terminals.

Warning The safety cover is an integral part of the product. Do not operate the unit without the safety cover installed. Operating the unit without the cover in place will invalidate the safety approvals and pose a risk of fire and electrical hazards.

Warning Enclosure covers serve three important functions: they prevent exposure to hazardous voltages and currents inside the chassis; they contain electromagnetic interference (EMI) that might disrupt other equipment; and they direct the flow of cooling air through the chassis. Do not operate the system unless all covers are in place.

Warning Ultimate disposal of this product should be handled according to all national laws and regulations.

Warning To prevent bodily injury when mounting or servicing this unit in a rack, you must take special precautions to ensure that the system remains stable. The following guidelines are provided to ensure your safety:
- This unit should be mounted at the bottom of the rack if it is the only unit in the rack.
- When mounting this unit in a partially filled rack, load the rack from the bottom to the top with the heaviest component at the bottom of the rack.
- If the rack is provided with stabilizing devices, install the stabilizers before mounting or servicing the unit in the rack.

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance **20cm** between the radiator & your body.

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