

## Appendix A. LED Status Summary

LED / Control	State	EMTA 6528-4B State
BATT (Internal)	Steady Orange	Battery fully charged (AC power on)
	Blinking Orange	Battery is charging (AC power on)
	Steady Green	Battery in use (AC power off)
	Blinking Red	Failed or bad battery (AC power off)
	Off	Battery discharged (AC power off)
PWR	Steady Green	Device power is on
	Off	AC Power off/Battery may be in use
RUN	Blinking Red	The VoIP Module failed to download a configuration or an image file
	Blinking Amber	The VoIP module is actively downloading a configuration file or a VoIP module firmware update
	Steady Green	The VoIP module has been configured successfully and is running normally
	Off	The VoIP module is malfunctioning
L1-L4	Blinking Amber	The connected telephone handset is on the hook (not in use) and there are new voice mail messages
	Steady Green	The connected telephone handset is off the hook
	Off	The connected telephone handset is on the hook (not in use) and there are no new voice mail messages
LAN	Steady Amber	When an Ethernet cable is connected to the LAN port using 100 Base-T
	Blinking Amber	When there is Ethernet activity using 100 Base-T
	Steady Green	When an Ethernet cable is connected to the LAN port using 10 Base-T
	Blinking Green	When there is Ethernet activity using 10 Base-T
	Off	No cable connected to the LAN port
RECV	Steady Green	The cable modem module is locked to downstream frequency
	Blinking Green	The cable modem module is searching for downstream frequency
	Blinking Green simultaneous with SEND LED	The cable modem module is currently upgrading
	Off	The cable modem module is not locked to downstream frequency
SEND	Steady Green	The cable modem module is locked to upstream frequency
	Blinking Green	The cable modem module is ranging on the upstream frequency
	Blinking Green simultaneous with RECV LED	The cable modem module is currently upgrading
	Off	The cable modem module is not locked to upstream frequency
ONLINE	Steady Green	The cable modem module has passed packet cable provisioning (including config file download) and is registered with the CMTS
	Blinking Green	The cable modem module is attempting to register with CMTS
	Off	The cable modem module has not passed provisioning and has not registered with the CMTS
USB	Steady Amber	When PC is connected to USB port
	Blinking Amber	When Data is passed while PC is connected to USB port
	Off	No PC connected to USB

## Specifications

Telephone Interface	4 FXS voice ports
	Connector RJ-11 REN=5
	Signaling Loop start / Ground start
Network Interface - Uplink	Coaxial Cable Jack
	Connector 75 Ohms F-Type Female
Network Interface - Downlink	10/100 Base-T
	Connector RJ-45
RF Input Level	-15dBmV ~ +15dBmV
Frequency Range	Upstream: DOCSIS: 5-65Mhz
	Downstream: DOCSIS: 88-860MHz
Dimension	1.65 in (H) x 15.20 in (W) x 7.36 in (D)
	42 mm (H) x 386 mm (W) x 187 mm (D)
Power Supply	Output: DC 15V 2.5 Amps; Input: AC 100-240V, 50-60Hz, 400 mA
Power Consumption	Talk: DC 15V @ 0.75 Amps (11.25W); Idle: DC 15V @ 0.53 Amps (7.95W)
Battery Consumption*	Talk: DC 10.8V @ 1.02 Amps (11W); Idle: DC 10.8V @ 0.73 Amps (7.9W) Talk: 6 hours; Standby: 10 hours
Operating Temperature	14°F to 104°F (-10°C to 40°C)

\* Estimated

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InnoMedia

# EMTA 6528-4B

## Quick Install Guide



## Introduction

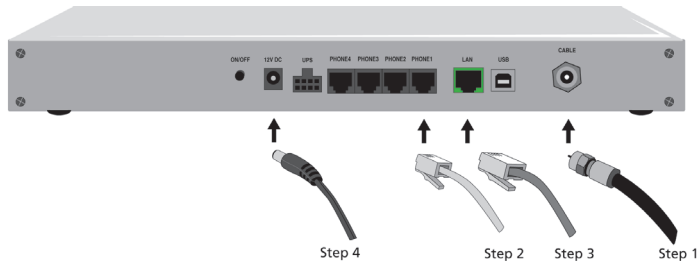
The InnoMedia EMTA 6528-4B Multimedia Terminal Adapter is a device that provides standard telephony service and broadband Internet access over a DOCSIS™ cable network. Designed for ease of installation and use, EMTA 6528-4B will allow you to place and receive regular telephone and fax calls, with an internal battery backup supply.

## Package Contents

The InnoMedia EMTA 6528-4B comes with the following items:

- 1 EMTA
- 1 RJ-45 Cable
- 1 AC/DC Power Adapter
- 1 Quick Install Guide

## Installation



**NOTE:** Any UPS connected to the EMTA's UPS connector port must comply with UL and other related safety certifications. The power supply and cord must be earth grounded.

1. Connect the active RF coaxial cable to the "CABLE" connector.
2. Connect any standard analog telephone or fax machine to EMTA's "PHONE" connector.
3. Optionally, connect your PC to "LAN" port using included RJ-45 cable.
4. Connect included AC/DC power adapter to the electrical outlet and its cable to the EMTA's "12V DC" connector.
5. Wait for "RUN" indicator lights on front of EMTA (see Front Cover Picture) to be steady green. If "ONLINE" light is blinking faster, 0.5 seconds ON and 0.5 seconds OFF intervals, system provisioning is in progress. Please wait until "ONLINE" indicator light is steady green.
6. At this point you have completed the EMTA installation. You will hear the dial tone when you pick up the handset of the phone or fax machine. You can now start placing and receiving telephone and fax calls.

## Troubleshooting

### Problem:

Telephone has no dial tone

### Solution:

1. Ensure that all cables (power, RF, telephone) are properly connected to the EMTA. Ensure that EMTA's AC power adapter is plugged in, and "PWR" indicator lights are ON (see Front Cover Picture).
2. Pick up telephone handset (phone off-hook), check for corresponding "L1", "L2", "L3", or "L4" indicator light to be ON. Also, the "RUN" indicator lights are steady green. If not, please disconnect EMTA power cable, and then reconnect it again (see Front Cover Picture).
3. If previous steps fail, report the failure to service provider for attention.

### Problem:

Cannot establish Internet connection.

### Solution:

1. If the PWR, RECV, SEND, and ONLINE LEDs are solidly lit, the cable modem is working properly. Try restarting the computer so that it could reestablish a connection with the cable modem.
2. Power cycle the cable modem by removing the power adapter from the electrical outlet and plugging it back in. Wait several minutes for the cable modem to reestablish communications with your cable service provider.
3. If your PC is connected to a hub or gateway, try connecting the PC directly into the cable modem.
4. If you are using a cable splitter, try removing the splitter and connect the cable modem directly to the cable wall outlet. Wait several minutes for the cable modem to reestablish communications with your cable service provider.
5. Your Ethernet or coaxial cable may be damaged. Try using another cable.
6. If none of these suggestions work, contact your cable service provider for further assistance.