

HSUPA/HSDPA/GSM/EDGE Adapter with Modem/Ethernet Input Technical Specification:

Modem Port: POTS Line, RJ-11, 2400/1200 baud.
Ethernet Port: 10/100 Mbit/sec. Straight or cross cable auto detection.
Antenna connector: The SMA female connector.
Power Port: Power Jack, 5V DC, 3A, 15W, center positive.
HSUPA/HSDPA/GSM/EDGE Network Services: Quad band GSM or CDMA
Protocols Supported: VISA-2 with Single/Triple DES keys and MAC cipher.
Connection to Transaction Processing Company: Direct with SSL3.0/TSL 1.0.
Encryption Protocols Supported: Hardware Implemented AES with 256 bit keys.
LED Indicators: GSM Signal Straight; Power OK; Modem, TCP/IP and GSM Ready.
Dimensions: 140 x 60 x 30 mm
Operating Temp: -20 to 45 °C
Storage Temp: -30 to 50 °C
Weight: 550 grams

External Power Supply adapter Technical Specification:

Input: 100-240VAC
Output: 5VDC / 3000mA
Plug: 2.1 x 5.5mm
Cord Length: 1.5 meters

Disclaimer:

While all reasonable care has been taken to ensure that the description, opinions and text are accurate and workable, The WDMX Plus Inc. does not accept any legal responsibility or liability to any person, organization or other entity for any direct loss, consequential loss or damage.

FCC Statement:

This device complies with the Part 15 of the FCC rules.

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GSM GPRS/EDGE Adapter with Modem Input (MG-24-Ultra)

GSM GPRS/EDGE Adapter with Ethernet Input (EG-24-Ultra)

GSM GPRS/EDGE Adapter with Modem/Ethernet Input (MEG-24-Ultra)

HSUPA/HSDPA/GSM/EDGE Adapter with Modem Input (MH-24-Ultra)

HSUPA/HSDPA/GSM/EDGE Adapter with Ethernet Input (EH-24-Ultra)

HSUPA/HSDPA/GSM/EDGE Adapter with Modem/Ethernet Input (MEH-24-Ultra)

Quick Installation Guide (Rev. 6)



This document will guide you through installation and operation of HSUPA/HSDPA/GSM/EDGE Adapter with Modem/Ethernet Input, referenced hereafter as the Wireless Modem/Ethernet Adapter (WMEA).

The WMEA set includes the following items:

- 1) WEMA Box
- 2) External Power Supply with 5V, 3A output.
- 3) Quad band GSM antenna with SMA male connector.
- 4) Activated SIM Card installed inside the WMEA Box.

Installation of the WMEA set:

Prior to installation of the WMEA Box make sure the SIM Card is installed inside the WEMA Box and it is activated for data plan.

- 1) Connect the Antenna. The SMA connector should be well screwed.
- 2) Attach the cable to the "Modem Port" (telephone jack) or the "Ethernet Port" of WMEA Box.
- 3) Plug the Power Supply Adapter into the WMEA Box and into the 110V Power Outlet.
- 4) If the WMEA Box is powered properly, the "Power OK" light will appear. Otherwise, the External Power Supply or the WMEA Box is damaged. Contact the Technical Support to fix this issue.
- 5) All lights of the "Signal Level Indicator" should come on as well. If some of them are not turned on then the "Signal Level indicator" is broken.
- 6) In a couple seconds the "Modem/Ethernet Ready" light should light steady up. In case it flashes try to disconnect the cable from the "Modem Port" or "Ethernet Port". If the "Modem/Ethernet Ready" light has stopped flashing it means the Terminal Machine has an issue with the Telephone/Ethernet interface.
- 7) In 5-10 seconds the "GSM/CDMA Ready" light should stop flashing. In case it continues to flash for more than 20 seconds it shows that the WMEA Box cannot register in to the GSM/CDMA network. There are three main reasons for that. The SIM Card is not valid/active or it was not properly installed. Another reason is the poor contact in the "Antenna" connector. Also, the GSM/CDMA antenna is mounted in a wrong position, so the GSM/CDMA signal strength is not enough for communication. To fix this issue check the SIM Card installation first. The SIM Card is accessible after unscrewing the four screws at the bottom of the WMEA Box. In addition, pay attention to the "Antenna" connector. It must be tied up well.
- 8) After the "GSM/CDMA Ready" light has come on the "GPRS/HSPA Ready" light should change flashing frequency to one flash in 2-3 seconds. This means the WMEA Box is registered in to the WDMX Plus Inc. Web Server and is ready to operate. Right after the registration the WMEA Box measures the GSM/CDMA signal strength and shows it on the "Signal Level Indicator". Four levels of the signal strength are:
"+30 – Signal Level" – the GSM/CDMA signal strength is good and enough for stable connection.

Configuration of a Terminal Machine:

Minimum setup of the Terminal Machine is required.

Dial-Up configuration

NRT Technology Corp. Primary Phone Number:	18778240927
NRT Technology Corp. Secondary Phone Number:	18778240930
Online Service Primary Phone Number:	15195795284
Online Service Secondary Phone Number:	15195795284
CardTronics Primary Phone Number:	18664036745
CardTronics Secondary Phone Number:	18664036747

Ethernet configuration for NRT Technology Corp.

TLS1.2 Encryption by Wireless Adapter. Connects to tls1.nrttech.com.

This is the fastest connection method!

Host Address:	192.168.0.200;	Host IP Port:	5802
Machine IP Address:	192.168.0.195;	Subnet Mask:	255.255.255.0
Communication Protocol:	TCP/IP;	Message Format:	TDL TCP/IP

TLS1.2 Encryption by ATM. Connects to tls1.nrttech.com.

Host Address:	tls1.nrttech.com;	Host IP Port:	5802
Machine IP Address:	192.168.0.183;	Subnet Mask:	255.255.255.0
Default Gateway:	192.168.0.200;	Primary DNS:	192.168.0.200
Communication Protocol:	TCP/IP;	Message Format:	TDL TCP/IP
Enable SSL:	<input checked="" type="checkbox"/>		

Ethernet configuration for Online Service

Host Address:	192.168.0.200;	Host IP Port:	5801
Machine IP Address:	192.168.0.194;	Subnet Mask:	255.255.255.0

Ethernet configuration for CardTronics

Host Address:	192.168.0.200;	Host IP Port:	5801
Machine IP Address:	192.168.0.198;	Subnet Mask:	255.255.255.0