

## 4G/LTE Super Modem III.1 (LTE Wireless Router with Router / Bridge Mode)

Model: SM\_III\_EC25 (LTE module could be changed as request)



**4G/LTE Super Modem III.1** is a LTE Modem with Ethernet Port and switchable for Router mode and bridge mode over PPPoE. Built-in 11n WiFi with AP and Bridge modes.

Surf the Internet Via 4G LTE or WiFi



### Application Example

**CPU: MT7620**

### General Features

- 4G internet access

- WiFi access point (with hidden antenna)
- 4G bridge mode (option)
- Support to use external BT dongle as PAN / SPP (option)

## Cellular Specification

Please refer to attached specifications for EC25.

### Approvals

Carrier:

Vodafone (Global)  
Deutsche Telekom/Telefónica (Europe)  
Verizon/AT&T/T-Mobile (North America)  
Rogers/Bell\*/Telus\* (Canada)  
SKT/KT\*/LGU+\* (South Korea)  
NTT DOCOMO/SoftBank/KDDI (Japan)

Regulatory:

GCF (Global)  
CE (Europe)  
FCC/PTCRB (North America)  
IC (Canada)  
Anatel (Brazil)  
KC (South Korea)  
NCC (Taiwan)  
JATE/TELEC (Japan)  
RCM (Australia/New Zealand)  
FAC (Russia)  
NBTC (Thailand)  
ICASA (South Africa)

## Wi-Fi Specification

### Output Power (Wi-Fi)

- 802.11n:11 dbm
- 802.11g:13 dbm
- 802.11b:15 dbm

### Sensitivity (Wi-Fi):

- 802.11n : -68 dBm
- 802.11g : -68 dBm
- 802.11b : -85 dBm

### Wi-Fi Frequencies

- 2,4 - 2,462 GHz, CCK / OFDM (Modulation Range Coverage)

### Wi-Fi Distances

- Indoor: approximately 30 to 50 meters
- Outdoor: 80 to 100 meters

### Compatibility

- IEEE 802.3 10 Base-T Ethernet
- IEEE 802.3u 100 Base-TX Fast Ethernet
- IEEE 802.3x Flow Control
- IEEE 802.11 b/g/n Wireless

## Mechanical

- Plastic Housing with External Connectors
- Dimension (L x W x H): 110 x 60 x 24 mm
- Weigh: 260g
- Operating Temperature : -10°C a +55°C
- Storage Temperature : -20°C a +60°C
- Storage Humidity : 5% to 85% of relative humidity (with no condensation)

#### **Connection Interfaces**

- LAN Ethernet Interface 10/100 Base-TX, connector RJ-45
- SMA Connector for external 3G antenna (50 Ohm - option for internal 3G antenna)
- Internal Sim Card Reader: Chip SIM CR 3.0V, 1.8V .

#### **Firewall**

- IP and MAC Filter
- Virtual Server and DMZ
- NAT (Network Address Translation)
- PPTP pass-through

#### **Communication Protocols**

- IP, NAT, DHCP, PAP, CHAP, PPP, TCP, UDP, HHTP, NTP. TR-069

#### **AC-DC Power Adapter**

- Input: 90 to 240 VAC / 0,3A
- Frequency: 50/60 Hz
- Output: 8 VDC / 1 A

#### **DC Input**

- Input Voltage Range: 6 to 12 VDC
- Input Power: 8 W

#### **OS**

- Windows 7, Vista, XP, 2000, NT, ME, 98,95, MAC and Linux.

#### **Packing List**

- 1 Router main set
- 1 Cellular Antenna - 3dBi SMA
- 1 AC-DC Power Supply
- 1 Ethernet Cable (1 meter)
- Manuals (Product, Installation and Quick Guide)

**\*Specifications are subject to change without notice**