



# MCS-WIRELESS MODEM-INT-B

## Description & Specifications



Part #  
**MCS-WIRELESS MODEM-INT-B**

### Description

The **MCS-WIRELESS MODEM-INT-B** is a compact industrial 4G (LTE) router equipped with 2 Ethernet ports, WiFi and RutOS software for advanced networking solutions. It delivers high performance for mission-critical cellular communication in rigorous environments, where wide operating temperature is required. Equipped with external SIM holder, digital input/output and signal strength status LEDs, it ensures easy network management. External SMA antenna connectors make it possible to attach desired antennas and easily find the best signal location.

The Wi-Fi is functional in both: Access point and Station mode at the same time.

- Supports 4G LTE data
- Creates a WiFi and Ethernet network to share the cellular connection with other devices (802.11 b/g/n)
- 4G (LTE-FDD): Band 4 and Band 13
- 1 x Digital input, 0 - 6 V detected as logic low, 8 - 30 V detected as logic high
- 1 Digital open collector output, max output 30 V, 300 mA
- 2 SMA for LTE, 1 RP-SMA for WiFi antenna connectors

#### KIT INCLUDES

- MCS-WIRELESS MODEM-INT-B
- Din Rail mounting kit
- 9 W power supply
- 2 x LTE antennas (swivel, SMA male)
- 1 x WiFi antenna (swivel, RP-SMA male)
- 4G Mini Magnet-Mount Antenna
- 7ft CAT 5e Crossover Patch Cord, Orange
- USB-VPN Config File



**(Standard Sim card NOT supplied)**

**SIM CARD MUST HAVE DATA AND SMS**



**An annual license and maintenance fee is charged for these units, consult MCS SALES for more information.**



**INTERNATIONAL  
USE ONLY**

### Physical Specifications

Casing material ..... Aluminium housing Dimensions (W x H x D) ..... 3.27" x 1" x 2.91" (83 x 25 x 74 mm)  
Weight ..... 0.27lb (125 g)  
Mounting options ..... Bottom and sideways DIN rail

#### MOBILE

Mobile module ..... 4G (LTE) – Cat 4 up to 150 Mbps  
3G – Up to 42 Mbps  
2G Up to 236.8 kbps

#### FREQUENCY

Europe, Middle East, Africa, ... 4G (LTE-FDD): B1, B3, B7, B8  
Korea, Thailand, Malaysia B20, B28A  
3G: B1, B8 / 2G: B3, B8

#### WIRELESS

WiFi security ..... WPA2-Enterprise - PEAP, WPA2-PSK, WEP, WPA-EAP, WPA-PSK; AES-CCMP, TKIP, SSID  
Wireless Hotspot ..... Captive portal (Hotspot)

#### ETHERNET

WAN ..... 1 x WAN port (can be configured to LAN) 10/100 Mbps  
LAN ..... 1 x LAN port, 10/100 Mbps

#### CARRIERS

**SIM CARD (not supplied) - MUST HAVE DATA AND SMS**

Sim Card ..... See current carrier list on:  
[www.mcscontrols.com](http://www.mcscontrols.com)

#### NETWORK

Routing ..... Static routing, Dynamic routing  
Network protocols ..... TCP, UDP, IPv4, IPv6  
Firewall ..... Port forward, traffic rules, custom rules  
DHCP ..... Static/dynamic IP allocation, DHCP Relay

#### SYSTEM CHARACTERISTICS

RAM ..... 64 MB, DDR2  
FLASH storage ..... 16 MB, SPI Flash

#### POWER

Connector ..... 4 pin industrial DC power socket  
Input voltage range ..... 9 – 30 VDC  
Power consumption ..... < 6.5 W Max

#### OPERATING ENVIRONMENT

Operating temperature ..... -40°F to 167°F (-40 C to 75 C)  
Operating humidity ..... 10 % to 90 % non-condensing  
IP Rating ..... IP30

#### REGULATORY & TYPE APPROVALS

Regulatory ..... CE, FCC, EAC, RoHS

### Packaging

Ship Weight ..... 2.50 lb (approx)  
Box Dimensions ..... 6" x 6" x 6" (approx)



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