MCS-WIRELESS-MODEM-B
Description & Specifications

RoHS Compliant ✓

CE FC EAC

USA USE ONLY

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

Description

The **MCS-WIRELESS-MODEM-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 on AT&T, Bell, T-Mobile
- 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 x Digital open collector output, max output 30 V, 300 mA
- 2 x SMA for LTE, 1 x RP-SMA for WiFi antenna connectors

KIT INCLUDES
- MCS-WIRELESS-MODEM-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

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

Physical Specifications

Casing material ....Aluminium housing Dimensions (W x H x D).........................3.27" 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
North America............... 4G (LTE-FDD): B2, B4, B12
3G: B2, B4, B5

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........................... AT&T, T-Mobile and Bell
See current carrier list on: 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^{0}F to 167^{0}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....9" x 4" 3" (approx)

Click for latest information for setup and current phone carriers