

# MobiLink 4600 Industrial CAT4 4G LTE Router



## OVERVIEW

EION MobiLink 4600 is a cost-effective multiband Industrial CAT4 4G LTE Wi-Fi Router with high security features designed to enable quick and easy data service by public GPRS/ EDGE/ UMTS/ HSDPA / HSUPA /HSPA+/ LTE for residential, industrial and enterprise customers. It provides high speed LAN and Wi-Fi integrated services to end users who need both bandwidth and multi-media data service in enterprise or home.

MobiLink 4600 has all the wanted requirements in one device including VPN, IPSec, AES128, BGP and OSPF support. It has Dual SIM with Automatic Failover Detection.

MobiLink 4600 has a high powered industrial cellular module and supports low consumption mode, including sleep mode and scheduled online offline mode. It is high stable and reliable supporting both hardware and software WDT. It supports auto recovery mechanism for online detection.

MobiLink 4600 Industrial 4G LTE Router supports standard RS232. It has an ethernet and WiFi port that can connect to serial, ethernet and WiFi devices directly. It enters the communication state automatically when powered. The power port of MobiLink 4600 Industrial 4G LTE Router has reverse-voltage and over-voltage protection. The RS232 and SIM/USIM ports has 15KV ESD protection each.

It supports multiple WAN access methods including static IP, DHCP, PPPOE, 3G/UMTS/4G/LTE, DHCP-4G. It supports WiFi 802.11b/g/n AP, client, Repeater and Bridge modes. MobiLink 4600 Industrial 4G LTE Router supports multiple online trigger ways SMS, ring and data. It supports APN/VPDN; and supports WEP, WPA, WPA2 encryption, and supports MAC address filtering. Support DHCP server and client, firewall, NAT, DMZ host, URL block, QOS, traffic, and real time link speed statistics. It supports Scheduled Reboot, Online and Offline.

## PRODUCT FEATURES

- FDD TDD CAT4 4G LTE Router; 2x2 MIMO
- GPRS/EDGE/UMTS/HSDPA/HSUPA/HSPA+
- Dual SIM Automatic Failover
- Wi-Fi supports AP, client, Repeater, Repeater Bridge mode.
- BGP, OSPF routing
- Support VPN client (PPTP, L2TP, OPENVPN, IPSEC and GRE)
- Support VPN server (PPTP, L2TP, OPENVPN, IPSEC and GRE)
- AES 128 Encryption
- Support APN/VPDN
- Bandwidth:
  - LTE: DL 150Mbps, UL 50Mbps
  - DC-HSPA+: DL 42Mbps, UL 5.76Mbps
  - HSPA+: DL 21Mbps, UL 5.76Mbps
  - HSDPA: DL 7.2Mbps, HSUPA: UL 5.76Mbps
  - UMTS: 384Kbps
- Transmit Power: <23dBm
- Receiver Sensitivity: <-108dBm
- Wi-Fi Interface:
  - Radio Access: 802.11b/g/n
  - Transmit Power: 20dBm (11n), 24dBm (11g), 26dBm (11b)
  - Bandwidth: up to 150Mbps
  - Receiver Sensitivity: <-72dBm

## ORDERING INFORMATION

Product Name	Product Description
4181-46-00	MobiLink 4600 Industrial CAT4 4G LTE Router
4181-46-00-02	MobiLink 4600 2x2 MIMO Industrial CAT4 4G LTE Router

## RADIO SPECIFICATIONS

Supported Bands	<p>LTE FDD: B1/B2/B3/B4/B5/B7/B8/B20 (2100/1900/1800/1700/850/2600/900/800MHz)</p> <p>FDD: B2/B4/B5/B13/B17/B25/B26, B1/B2/B3 /B5/B7/B8/B20/B28</p> <p>LTE TDD: B38/B39/B40/B41</p> <p>HSPA+/HSUPA/HSDPA/WCDMA/UMTS 2100/1900/900/850MHz</p> <p>EDGE/GPRS/GSM 1900/1800/900/850MHz</p>
Bandwidth	<p>LTE: DL 150Mbps, UL 50Mbps</p> <p>DC-HSPA+: DL 42Mbps, UL 5.76Mbps</p> <p>HSPA+: DL 21Mbps, UL 5.76Mbps</p> <p>HSDPA: DL 7.2Mbps, HSUPA: UL 5.76Mbps</p> <p>UMTS: 384Kbps</p>
Output Power	<23 dBm
Receiver Sensitivity	<-108dBm
Interface	<p>WAN/LAN configurable: 1x10/100Mbps RJ45 WAN Port</p> <p>LAN: 1x10/100Mbps RJ45 Ethernet Port</p> <p>Auto MDI/MDIX, 1.5KV magnetic isolation protection</p>
Serial	<p>1xRS232/RS485 port, 15KV ESD protection</p> <p>Data bits: 5, 6, 7, 8; Stop bits: 1,2</p> <p>Parity: none, even, odd</p> <p>Baud rate: 2400~115200 bps</p>
LED Indicators	PWR, Online, LAN, WAN/LAN, WiFi
Antenna	<p>Cellular:2 Standard SMA interface</p> <p>WiFi: 1 Standard SMA interface, 50 ohms</p>
SIM/USIM	Standard 3V/1.8V user card interface, 15KV ESD protection
Power	Standard 3-PIN power jack, reverse-voltage, and over-voltage protection
Reset Button	Yes. Restore the router to its original factory default settings

## WIFI SPECIFICATIONS

Standard	802.11b/g/n
Output Power	20dBm (11n), 24dBm (11g), 26dBm (11b)
Bandwidth	<p>IEEE802.11b/g: up to 54Mbps</p> <p>IEEE802.11n: up to 150Mbps</p>
Receiver Sensitivity	<-72dBm@54Mbps
Security	WEP, WPA/WPA2
Supported modes	AP, Client, Repeater, Repeater Bridge

## NETWORK SPECIFICATIONS

WAN Access Methods	Supports Static IP, DHCP, PPPOE, 3G/UMTS/4G/LTE, DHCP-4G
Double Line Backup Support	Yes. LTE&WCDMA
VPN Client and Server Support	PPTP, L2TP, OPENVPN, IPSEC and GRE
Local and Remote Firmware Upgrade	Yes, including import and export of configuration files
Online trigger Support	Yes. SMS, ring, data. Support Line disconnection when timeout
APN/VPDN Support	Yes
Protocols supported	TCP/IP, UDP, ICMP, HTTP, TELNET, SNMP, SSHD
MAC Address Filtering Support	Yes
BGP and OSPF Routing	Yes
Other Support	<ul style="list-style-type: none"> <li>• DHCP Server and Client</li> <li>• Firewall, NAT, DMZ host, URL Block</li> <li>• QOS, Traffic statistics, real time link speed statistics</li> <li>• Scheduled reboot, online and offline</li> </ul>

## PHYSICAL, ELECTRICAL & ENVIRONMENTAL

Power DC	DC 12V/1.5A
Power Consumption	< 20W
Enclosure	Metal, IP30
Operating Temperature	-35 C to +75°C
Humidity	95% max Non-condensing
Dimensions	93mm x 89mm x 22mm
Weight	255g