



WIFIBUS 4G PRO II



WiFiBus PRO II is a compact 4G wireless router for high-speed internet connection on board up to 100 Mbps with dual SIM failover. The device is suitable for up to 100 passengers and is equipped with two GSM dipole antennas with sticker for windshield, two WiFi stylus antenna and regulated switching power with cigarette lighter connector. WiFiBus 3G PRO device is always connected to the WiFiBus Cloud and managed remotely to customize login, restrictions such as video streaming, p2p protocols, adult content, downloading quota per day/per passenger, etc..

KEY FEATURES

- LTE up to 100 Mbps DL and 50 Mbps UL
- DC-HSPA+ up to 42 Mbps DL and 5.73 Mbps UL
- Multiple LTE FDD bands
- Quadband UMTS and GSM
- IEEE 802.11b/g/n WiFi with 2x2 MIMO up to 300 Mbps
- IEEE 802.3 and IEEE 802.3u standards
- Four Ethernet ports
- Durable aluminum housing
- External antennas
- Dual SIM



TECHNICAL DETAILS

LTE EU/ASIA

FDD B1/B2/B3/B5/B7/B8/B20 (2100/1900/1800/850/2600/900/800 MHz)

UMTS EU/ASIA

850/900/1900/2100 MHz

HSDPA mode: 21 Mbps (Cat 14) downlink speed

HSUPA mode: 5.76 Mbps (Cat 6) uplink speed

UMTS mode: 384 kbps DL, 384 kbps UL

RX diversity antenna

GSM/GPRS/EDGE

850/900/1800/1900 MHz

Power class 4 (2 W, 33 dBm) GSM/GPRS 850/900 MHz

Power class 1 (1 W, 30 dBm) GSM/GPRS 1800/1900 MHz

Power class E2 (0.5 W, 27 dBm) for EDGE 850/900 MHz

Power class E2 (0.4 W, 26 dBm) for EDGE 1800/1900 MHz

GSM: 14.4 kbps DL, 14.4 kbps UL

GPRS: 107 kbps DL, 85.6 kbps UL (class 33)

EDGE: 296 kbps DL, 236.8 kbps UL (class 33)

ETHERNET

IEEE 802.3, IEEE 802.3u standards

3 x LAN 10/100Mbps Ethernet ports

1 x WAN 10/100Mbps Ethernet port

Supports auto MDI/MDIX

WIFI

IEEE 802.11b/g/n WiFi standards

2x2 MIMO

AP and STA modes

64/128-bit WEP, WPA, WPA2, WPA&WPA2 encryption methods

2.401 – 2.495GHz WiFi frequency range

20dBm max WiFi TX power

SSID stealth mode and access control based on MAC address

HARDWARE

High performance 560 MHz CPU with 128 Mbytes of DDR2 memory

5.5/2.5mm DC power socket

Reset/restore to default button

2 x SMA for LTE, 2 x RP-SMA for WiFi antenna connectors

4 x Ethernet LEDs, 1 x power LED

1 x bi-color connection status LED, 5 x connection strength LEDs

SOFTWARE

OpenVPN, IPsec, GRE, L2TP, PPTP

Backup WAN, PPPoE, Dynamic DNS

SMS and ping reboot, periodic reboot

Status, configuration via SMS

Send/read SMS via HTTP POST/GET

Monitoring by SNMP, SNMP trap, TR-069

System log to record the status of the router

VRRP, QoS and web filter

Wireless hotspot with or without RADIUS server

SIM card switch controlled by signal, data limit, roaming

Configuration profiles

Dual image with safemode firmware

Firmware update from bootloader via WebUI

Restore point

ELECTRICAL, MECHANICAL & ENVIRONMENTAL

Dimensions (H x W x D) 80 mm x 106 mm x 46 mm

Weight 250 g

Power supply 100 – 240 VAC -> 9 VDC wall adapter

Input voltage range 9 – 30VDC

Power consumption < 7 W

Operating temperature -40 °C to 75 °C

Storage temperature -45 °C to 80 °C

Operating humidity 10 % to 90 % non-condensing

Storage humidity 5 % to 95 % non-condensing