



WiFi 4G powered by BEAMOS

BEAM 8x

Compact Wi-Fi router and tracking for vehicles

Compact design for vans, buses, trucks and boats

Dual SIM with Ethernet, I/O, RS485 and RS232

Integrated GNSS for real-time vehicle location tracking

Pre-configured, ready to go straight out-of-the-box

Embedded Wi-Fi hotspot management

Easy to install and integrate



BEAM 8x

WiFi 4G powered by BEAMOS

Pre-configured, ready to go straight out-of-the-box

Comes with standard 12 month warranty

SPEC

VEHICLES

Suitable For	Cars, taxis, minibus, commercial vehicles, buses and boats
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WI-FI

Simultaneous Connections (<i>recommended max</i>)	80
Supports Wireless 802.11b/g/n	Yes
2.4GHz Band	Yes
5.0GHz Band	-
Public SSID	Yes
Private SSID (Accessory Channel)	Yes
Captive Portal, Portal Forwarding	Yes
Chipset	Wi-Fi Certified Atheros

SECURITY

Wi-Fi Security	WPA2-Enterprise – PEAP, EAP-TLS, TLS, TTLS. AES-CCMP, TKIP, Auto Cipher modes. Client separation
Built-in Firewall	Yes
Attack Prevention	DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks)
Web Filter	Blacklist for blocking out unwanted websites, whitelist for specifying allowed sites only

MOBILE INTERNET

Number of Modems	1
Max Number of SIMs	2
3G/HSPA+ (<i>up to 14Mbps</i>)	Yes
4G/LTE (<i>up to 150Mbps</i>) - Worldwide LTE	Yes
Built-in Firewall (<i>fixed configuration</i>)	Yes

INTERFACES & EXPANSION

Ethernet	1 x WAN port, 3 x LAN ports 10/100 Mbp
RS232	1 x DB9 socket
RS485	1 x 6 pin industrial socket
I/O's	2 x Inputs and 2 x Outputs on 10 pin industrial socket, 1 x Digital input and 1 x Digital output on 4 pin power connector
USB	1 x USB A port for external devices
SD Card	Micro SD card slot
Input/Output	1x 10 pin industrial socket for inputs/ outputs
GNSS Module (Intergrated)	Yes
Antennas	2 x SMA for LTE, 2 x RP-SMA for WiFi, 1 x SMA for GNSS

INTERFACES & EXPANSION

Status LEDs	3 x connection type status LEDs, 5 x connection strength LEDs, 2 x LAN status LEDs, 1 x Power LED
Power	4 pin DC connector

OTHER FEATURES

Operating System	beamOS-R
Status LEDs	Yes
Wi-Fi Admin Panel	Yes
System Admin Panel	Yes
Standard Landing Page	Yes

OPERATING CONDITIONS

Voltage	9 – 30 VDC (4 pin industrial socket), overvoltage protection up to 60 VDC, surge protection >66 VDC 10us max
Power Consumption	<5W
Reverse Polarity and Surge Protection	Yes
Available Power Adapters	Fly Lead, Mains*
Operating Temperature	-40C to 75C

PHYSICAL

Unit Dimensions	110 x 50 x 100 mm (L x W x H)
Typical Weight	287g
Case Material	Aluminum housing, plastic panels
Mounting Points	Bottom and sideways DIN rail mounting slots
Fanless Operation	Yes
Electronics	Solid State
IP Rating	IP30

SUPPORT

Standard	12 Month Return-to-Base Warranty
BEAMplus**	Lifetime Warranty

OPTIONS

Custom Landing Page	Yes
Remote Management	Yes

REGULATORY & TYPE APPROVALS

Regulatory	CE/RED, EAC, RoHS, WEEE
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* Available as an optional extra

**Available as a monthly subscription