mobile onboard

BEAM xpress i

INTERNET CONNECTIVITY HUB

4G GPS Wi-Fi

CE (E26) 10 R - 05 1224

mobile onboard — mobileonboard.com

Wi-Fi   4G   GPS   powered by BEAM OS

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Ultra-compact Wi-Fi and tracking for vehicles

- **Designed for cars, taxis, minibus and commercial vehicles**
- **Ultra-compact design (79mm x 131mm x 18mm)**
- **Pre-configured, ready to go straight out-of-the-box**
- **Connect to other Mobile Onboard systems with zero configuration**
- **Embedded Wi-Fi hotspot management**
- **Integrated GPS for real-time vehicle tracking**
- **Easy to install**

ヨヨΛM xpress i

📶 Wi Fi   **4G**   **GPS**   powered by ヨヨΛMOS

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

Comes with standard 12 month warranty

SPEC

VEHICLES

Suitable For	Cars, taxis, minibus and commercial vehicles

WI-FI

Simultaneous Connections (recommended max)	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
Antenna	2 x FAKRA connectors for LTE, 1 x FAKRA connector for GNSS

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	1
3G/HSPA+ (up to 14Mbps)	Yes
4G/LTE (up to 150Mbps) - Worldwide LTE	Yes
Built-in Firewall (fixed configuration)	Yes

INTERFACES & EXPANSION

Ethernet Port	-
GPS Module (integrated)	Yes
Wi-Fi Antenna Connector	-
WWAN (4G) Antenna Connector	Yes
WWAN (4G) Diversity Antenna	Yes
GPS Antenna Connector	Yes

OTHER FEATURES

Operating System	beamOS-R
Status LEDs	Yes
Wi-Fi Admin Panel	Yes
System Admin Panel	Yes
Standard Landing Page	Yes
Remote Updates	-
Portable	-
Expandable	-

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 Protection	Yes
Available Power Adapters	Fly Lead, Mains*
Operating Temperature	-40C to 75C

PHYSICAL

Unit Dimensions	79mm x 131mm x 18mm
Typical Weight	115g
Case Material	Polycarbonate plastic
Mounting Points	2
Fanless Operation	Yes
Electronics	Solid State
IP Rating	IP30

SUPPORT

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

OPTIONS

Custom Landing Page	Yes
Remote Management	Yes
Content Server	-

REGULATORY & TYPE APPROVALS

Regulatory	CE/RED, EAC, RoHS, WEEE
Vehicle	ECE R10 (E-mark)

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