

Moovbox F100 Fixed Broadband Gateway Outdoor Wi-Fi® Access Point & Cellular Router

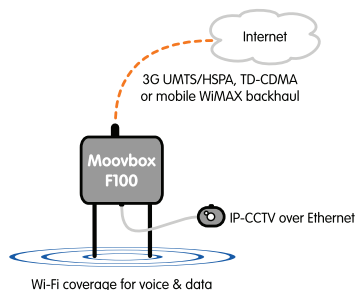


The **Moovbox F100 Fixed Broadband Gateway** combines a commercial grade dual-band Wi-Fi access point with carrier-class wide area cellular backhaul, and features plug-and-play support for a wide range of WAN technologies including 3G UMTS/HSPA, TD-CDMA and WiMAX 802.16e. Whether for city-wide Wi-Fi, temporary hotspots or public safety applications, the Moovbox F100 makes it simple to deploy Internet connectivity where wireline broadband or mesh alternatives are not practical.

The rugged IP67 weatherproof enclosure is designed for outdoor environments and includes a tilt-and-swivel bracket for easy deployment on street furniture or buildings. The F100 supports third party WAN radios¹ in PCMCIA/Cardbus and Express/34 form factors, at frequencies from 850MHz to 2.1GHz (3G UMTS & HSPA), 2.3-2.5GHz and 3.4-3.6GHz (TD-CDMA & WiMAX), and 4.9GHz (Public Safety).

Key Features

- Multi-radio outdoor wireless network system (802.11a/b/g + cellular WAN)
- Weather-proof IP67 rated aluminium wall/pole-mounting outdoor enclosure
- Operator-class Wi-Fi access point including DHCP, NAT, WPA
- Quality of Service (QoS) for data, voice and video traffic prioritisation
- Multiple SSIDs and 802.1q VLAN capability for discrete network services
- Captive portal support with RADIUS-based user authentication
- Two 7dBi Wi-Fi dual band (2.4GHz & 5GHz) antennas for signal diversity
- Single Cardbus slot for third party WAN radio (or Express/34 with adapter)
- Connectorized or stubby omni WAN antenna versions available
- Weather-proof 10/100 Ethernet connector & high visibility LEDs
- Secure browser-based **moovAdmin™** device configuration interface
- Inbound VPN tunneling for device control where static IP is unavailable
- Compatible with optional **moovMonitor™** network monitoring service
- Optional integrated GPS receiver for real-time positioning applications
- ETSI/CE/C-Tick compliant hardware



Specifications

General	
Dimensions	26cm x 25.4cm x 7.2cm
Weight	1.5Kg (3.3lbs) excluding pole/wall mounting bracket
Radios	1 x Atheros 802.11a/b/g (100mW or 400mW options) 1 x empty PCMCIA/Cardbus slot for WAN radio ²
Antennas	2 x 7dBi dual-band (2.4GHz/5GHz) Wi-Fi antennas 1 x N-type WAN connector OR 1 x stubby WAN omni antenna
Interface Ports & Indicators	1 x 10/100 Ethernet RJ45 connector 2 x LED indicators (Red/Power and Green/Activity)
Power	100-250v AC / 48V DC ~420mA via included PoE unit Power consumption <10W
Environmental	-10°C to 55°C (14°F to 131°F) Operating -40°C to 70°C (-40°F to 158°F) Storage 0% – 100% humidity (non condensing)
Compliance	R&TTE (1999/5/EC), CE, C-Tick, RoHS
Materials	White powder-coated aluminium, IP67/NEMA6 rated Integrated pressure compensation/ventilation valve
Warranty	One Year (Moovcare Extended Service & Support available)
Moovera SKU	MBF-100-01 (100mW), MBF-100-02 (100mW w/ omni WAN antenna) MBF-100-03 (400mW), MBF-100-04 (400mW w/ omni WAN antenna)

Wireless Networking

Wi-Fi Access Point	802.11a/b/g, multiple SSIDs, 802.1q VLANs, QoS, DHCP, NAT, captive portal, proxy transparency, SMTP redirection, port forwarding, TX power control
Wi-Fi Security	WPA with AES TKIP (802.11i) 128-bit WEP, RADIUS AAA, Layer 2 Isolation to prevent client-side bridging
WAN Interface ³	GSM/EDGE, EV-DO, 3G/HSDPA/HSUPA, TD-CDMA, WiMAX
Management	Embedded web configuration via HTTPS, SNMP Inbound VPN tunneling for remote access & control Supports optional Moovsuite™ software

¹ Includes Option, Huawei, Sierra Wireless, Novatel, Zyxel, ZTE, IP Wireless; contact Moovera for full list.

² WAN radio must be installed by an authorised Moovera Service Centre.

³ Operation of WAN radio may require subscription to third party cellular data services.

