

FMA1630

Outdoor Small Cell



FMA1630 is an outdoor small cell that delivers 3G coverage in varying outdoor environments. For mobile operators, FMA1630 is a cost-effective way of increasing the network coverage, especially in remote or rural communities.

Features

The device supports up to 1W maximum transmit power, and comes in a compact IP67-compliant enclosure for secure protection against water, dust and wind.

Easy Installation

- Simple, cost-effective I&C and Maintenance
- Compact size and Lightweight - One man lift & installation
- Automatic interference management
- No highly skilled labour (i.e. no BTS Engineer) required

Minimal Environmental Impact

Low energy consumption
Small physical footprint

Proven Technology

FMA1630 is derived from proven technology which has been deployed across the world in enterprise and residential environments.

Feature	Specification
Standard Compliance (3GPP UMTS)	3GPP UMTS Rel-7 compliance GSM and UMTS Macrocell sniffers
Maximum Output power	+30dBm (1W)
Range	Up to 3Km
Support UE Speed	Up to 120km/h
Simultaneous Calls	Up to 16 simultaneous calls
Backhaul Security	IPSec
Network Device Management	TR069, TR196 compliant
Interfaces	Basic <ul style="list-style-type: none"> • 10/100 BaseT Ethernet WAN (POE+,IEEE802.3af/at) • Reset switch • Grounding for lightening protection Optional <ul style="list-style-type: none"> • Active GPS antenna connector • DC Power • Embedded SIM Card holder
Indicators (LEDs)	Mobile, Internet, Power
Enclosure	IP67 enabled enclosure design for outdoor environment withstanding water, dust, and wind
Dimensions (W/D/H)	255 * 161 * 126 mm
Weight:	< 2.9Kg
Antenna	Two N-Type connectors, default with one 2dBi Omni-directional external antenna at 2100MHz for 3G; another one antenna for GSM Macrocell sniffer
Mounting Kit	Pole / Wall mountable Vertical / Horizontal mountable
Environmental	Operating temperature: -33°C to +55°C Storage temperature: -40°C to +80°C Humidity: 0% to 95% non-condensing
Frequency Bands	UMTS Band I (UL:1920-1980 MHz & DL:2110-2170 MHz) with GSM 900/1800 monitoring UMTS Band II (UL:1850-1910 MHz & DL:1930-1990 MHz) & Band V (UL:824-849MHz & DL:869-894MHz) with GSM 850/1900 monitoring UMTS Band IV (UL:1710-1755 MHz & DL:2110-2155 MHz) with GSM 850/1900 monitoring
Radio Access Method	FDD with configurable UL/DL split
HSPA performance	14.4Mbps downlink and 5.7Mbps uplink *Upgradable to HSPA+
Sensitivity	-107 dBm
UL Sensitivity	Compliant to 3GPP TS25.104
Energy Consumption	FMA16301T (Band 1; 1Watt) : < 22W
Regulatory Compliance	Safety: EN 60950, CB certification (IEC 60950) • EMI Directive 1999/5/EC on R&TTE: - EN 50385 - EN 301 489-1 and 301 489-23 - EN 301 908-1 and 301 908-3 • FCC Part 15, Class A • FCC Part 24 (UMTS Band II) • FCC Part 27 (UMTS Band IV) • FCC Part 22 (UMTS Band V) • Materials: Directive 2002/95/EC on RoHS • General: CE and NRTL marking

Any technical specifications contained herein are subject to change without notice.