

FP1624

# Small Cell for Enterprises



FP1624 small cell is an indoor base station for small to medium enterprises. It supports HSPA+ data rates while supporting up to 16 simultaneous calls.

FP1624 supports inter-cell mobility allowing several FP1624 devices to be installed at a single site creating a self organizing grid of 3G coverage. FP1624 offers the most cost-efficient and speedy way to provide 3G coverage and capacity in enterprises while providing the stability and reliability that an enterprise customer of an operator demands.

## Features

- Designed for use in small to medium Enterprises
- Handles up to 16 simultaneous calls
- Supports HSPA+ 21.6 Mbps/5.7Mbps
- Transmit power up to 24dbm (250mW)
- Effective cell radius ~250m, depending on actual deployment environment
- Supports UMTS Bands I, II/IV, and IV
- Remote device management: TR-069
- Inter-cell handover for seamless deployment of several small cells in buildings
- Power over Ethernet (PoE+) is standard
- External Antenna connector

- Wall mounted
- Optional GPS for E911 support where needed

FP1624 can be self installed by the IT professionals of the enterprise or can be managed installed by an operator depending on the size and numbers of FP1624 installed. In either case, there is no requirement for cell planning or optimization, as it autonomously and continuously scans its RF environment and self-optimizes in response to changes in the radio environment based on the adaptive and distributed radio management function obtaining optimal local coverage.

## Best Performance

Leading edge performance supporting up to 16 simultaneous calls and data speeds up to 21.6 Mbps.

## Enterprises

FP1624 family can be deployed in small to medium enterprises where several devices installed at a site can automatically create a self-organising grid of 3G coverage providing seamless mobility between cells and the macro network.

## Field Proven

FP1624 has been proven in several deployments worldwide and has been proven in different deployment scenario varying from shared carrier to dedicated carrier.

Feature	Specification
Number of calls	8 or 16 subject to soft key licensing
HSPA performance	up to 14.4 Mbps, downlink up to 5.7 Mbps uplink Software upgradable to 21.6 Mbps HSPA+
Maximum transmit power UMTS	+24 dBm (250mWatts)
Ethernet	IEEE802.3 10/100 twisted pair Ethernet (1 Port) Physical connector: standard RJ45 socket 8 pins
DC Power	Single DC jack socket for external plug top power supply. Power rating 12v/1.5A
SIM	Push-push SIM socket on the side of the case in a covered recess.
Reset Switch	Single push button switch
Indicators	Two Single color LED (Red) and one Dual color (Red/Green) LED
Dimensions	W 250mm x H 43mm x D 204mm (excluding wall mounting bracket )
Weight	<800g (including external power supply adaptor)
Case	Tamper-proof with secure SIM aperture
Antenna connector	2 x MMCX type antenna port to connect with external antenna.
Acoustic noise	None: passive cooled
Operating temperature	0°C to 40°C
Energy consumption	<7W
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
Interference management	Fully automatic: real-time cognitive radio
Network interface	3GPP GAN, 3GPP Iuh and IMS
Broadband security	IPSec
Device security & authentication	Certificate or (U)SIM
Remote device management	Broadband Forum TR-069
MTTF	100,000 hrs
Product Life	> 5 years
Regulatory Compliance	Safety: EN 60950, CB certification (IEC 60950) <ul style="list-style-type: none"> <li>• EMI Directive 1999/5/EC on R&amp;TTE: <ul style="list-style-type: none"> <li>- EN 50385</li> <li>- EN 301 489-1 and 301 489-23</li> <li>- EN 301 908-1 and 301 908-3</li> </ul> </li> <li>• FCC Part 15, Class A</li> <li>• FCC Part 24 (UMTS Band II)</li> <li>• FCC Part 27 (UMTS Band IV)</li> <li>• FCC Part 22 (UMTS Band V)</li> <li>• Materials: Directive 2002/95/EC on RoHS</li> <li>• General: CE and NRTL marking</li> </ul>

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

## Zero Touch

No cell-planning or operator installation required – this is a self-optimising, plug & play device.

## Network Management

Intelligent, Proactive Service Monitoring & Service Assurance, with detection of service effecting events to trigger service alarms.