

MOBILINK 4000 Outdoor LTE-A Base Station

High Power | 4X4 MIMO | Dual Sector | Dual Carrier | Carrier Aggregation



OVERVIEW

MobiLink 4000 is a high power 4x4 MIMO powerful outdoor LTE Base Station. It is small form factor, cost effective LTE-A eNodeB with an Output power of 40 dBm/10W per antenna port. It is the ideal solution for outdoor LTE deployments including FWA, high mobility, rural, urban or semi-rural.

MobiLink 4000 is enabled with N-type connectors for mounting different external antenna options. For connection into the network the Gigabit Ethernet interface or Optical SFP on the MobiLink 4000 can connect to a wired backbone, or seamlessly to EION's Gigabit backhaul radio TeraLink 5400 with Gigabit Ethernet or SFP port for high capacity backhaul links.

EION MobiLink is a solution both for rural and urban deployments that provide superior coverage and capacity. MobiLink 4000 works seamlessly with LTE EPC platform MobiEPC 2000. MobiEPC 2000 is a standalone 19-inch hardware-based solution that can be deployed at cell tower sites or in centralized network locations. A single MobiEPC 2000 can serve upto 10,000 subscribers and can support more than one S1 interface as long as they are in the same network.

PRODUCT FEATURES

- LTE and LTE-Advanced Base Station
- 3gpp Release 10/12
- Supports FWA, high mobility, rural, urban and semi-rural.
- Supported Bands: B40/41/42/43
- Supported Channels: 5/10/15/20 MHz
- 40 dBm/10 W transmit power per antenna port
- 4Tx 4Rx LTE Radio
- MobiLink 4010 is Dual Sector, Dual Carrier, Carrier Aggregation
- 200 Mbps per sector; supports upto 20+20 MHz
- Multi-User MIMO
- Gigabit Ethernet Port or Optical SFP port ; 100M Ethernet port.
- Interoperable with standalone EPC, MobiEPC 2000
- GigE interface for connection to Gigabit TeraLink Backhaul radios

Band	Frequency (MHz)	Uplink, Downlink (MHz)	FDD/TDD
40	2300	2300 - 2400	TDD
41	2500	2496 - 2690	TDD
42	3500	3400 - 3600	TDD
43	3700	3600 - 3800	TDD

ORDERING INFORMATION

Product Name	Product Code
MobiLink 4000 High Power 4x4 Outdoor LTE-A Base Station with Antenna & Accessories Package	ML40-00-PKG
MobiLink 4010 High Power 4x4 Outdoor LTE-A Base Station with Dual Sector / Dual Carrier / Carrier Aggregation. Antenna & Accessories Package Included	ML40-10-PKG

RADIO SPECIFICATION

Technology	LTE or LTE-Advanced; 3gpp Rel 10/12
Antenna	External antenna; 4 Ports antenna included in the package ML40-10-PKG and ML40-00-PKG
Frequency Range	B40/41/42/43
Supported Channels	5/10/15/20 MHz
Radio Configuration	4Tx 4Rx
Output Power	40dBm/10 W power per Antenna port

NETWORK SPECIFICATIONS

Network Connection	1 x Gigabit RJ45 Ethernet port / Optical SFP port 1 x 100M RJ45 Ethernet Port
GPS Connectivity	Integrated/chaining (Included in the package)

EPC

EPC	Interoperable with Standalone 19-inch hardware based MobiEPC 2000 in the same LAN
MobiEPC 2000 Capacity	Single EPC: Upto 10,000 subscribers; can be scaled to thousands of subscribers

PHYSICAL ELECTRICAL & ENVIRONMENTAL

Mounting Bracket	Yes, Included
Power Consumption	230 W
Power supply	48VDC
Radio Enclosure	IP67
Radio Certification	~FCC
Lightning Protection	Built-in ESD
Dimensions	330 x 260 x 400 mm
Weight	19 Kgs

ANTENNA AND ACCESSORIES INCLUDED IN THE PACKAGE

- MobiGPS
- Mobi GPS Chain Cable-5m
- Mobi Antenna 4 Ports 2-3-2.7GHz 18dBi
- Mobi OAC LMR-400 cables (4unit Pack)
- 50m Power Cable with Connectors
- Power supply AC/DC for MobiLink 4000