

MOBILINK 2000 Outdoor LTE-A Base Station

4X4 MIMO | Dual Sector | Carrier Aggregation | CBRS Band Support



OVERVIEW

MobiLink 2000 is a 4x4 MIMO powerful outdoor LTE Base Station. It is small form factor, cost effective LTE-A eNodeB with maximum transmit power of upto 30 dBm per antenna port. It is the ideal solution for outdoor LTE deployments including FWA, high mobility, rural, urban or semi-rural.

MobiLink 2000 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 2000 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 2000 works seamlessly with external LTE EPC platform MobiEPC 2000. MobiEPC 2000 is a standalone 19-inch hardware-based solution that can be deployed at cell tower sites. MobiLink 2050 is an LTE BaseStation with Embedded EPC with integrated iHSS, PCRF and Layer-2 support features.

PRODUCT FEATURES

- 3GPP LTE-Advanced & IEEE 802.16 Standard
- 3gpp Release 10/12
- Supports FWA, high mobility, rural, urban and semi-rural.
- Supported Bands: B42/43/46/48(CBRS)
- Supported Channels: 5/10/15/20 MHz
- Max Tx Power:
 - B42,43,48: Upto 30 dBm per antenna port
 - B46: Upto 20 dBm per antenna port
- 4Tx 4Rx Radio Configuration; Multi-User MIMO
- 200 Mbps per sector; supports upto 20+20 MHz
- Interfaces : 1 x Gigabit RJ45 Ethernet Port, 1 x Optical SFP port , 1 x 100M RJ45 Ethernet port.
- Integrated EPC.
- Interoperable with standalone EPC, MobiEPC 2000
- GigE interface for connection to Gigabit TeraLink Backhaul radios
- Ruggedized outdoor enclosure, IP67
- Spectrum Analyzer; DCS (for unlicensed bands)

Band	Frequency (MHz)	Uplink, Downlink (MHz)	FDD/TDD
42	3500	3400 - 3600	TDD
43	3700	3600 - 3800	TDD
46	5200	5150 - 5925	TDD
48 (CBRS)	3500	1550 - 3700	TDD

ORDERING INFORMATION

Product Name	Product Code
MobiLink 2000 4x4 Outdoor LTE-A Base Station with Antenna & Accessories Package	ML20-00-PKG
MobiLink 2010 4x4 Outdoor LTE-A Base Station with Dual Sector / Carrier Aggregation. Antenna & Accessories Package Included	ML20-10-PKG
MobiLink 2050 4x4 Outdoor LTE-A Base Station with Integrated EPC	ML20-50-PKG
MobiLink 2060 4x4 Outdoor LTE-A Base Station with Integrated EPC and Dual Sector, Carrier Aggregation Support	ML20-60-PKG

RADIO SPECIFICATION

Standard	3GPP LTE-Advanced & IEEE 802.16 Standard
Antenna	External antenna; 4 Ports antenna included in the package ML20-10-PKG and ML20-00-PKG
Frequency Range	B42/43/46/48
Supported Channels	5/10/15/20 MHz
Radio Configuration	4Tx 4Rx
Output Power	B42,43,48 - Upto 30dBm power per Antenna port B46 - Upto 20dBm power per Antenna port

NETWORK SPECIFICATIONS

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

EXTERNAL EPC – MOBI EPC 2000

EPC	Base Station is interoperable with external 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

INTEGRATED EPC SPECIFICATIONS OF MOBILINK 2050

EPC	Integrated by default. Offered in MobiLink 2000 Series.
Architecture	MME, SGW, PGW
Other supported features	Integrated HSS, PCRF and Layer-2 Support
Capacity	500 users

PHYSICAL ELECTRICAL & ENVIRONMENTAL

Mounting Bracket	Yes, Included
Power Consumption	100 W
Power supply	48VDC
Radio Enclosure	IP67
Radio Certification	~FCC
Lightning Protection	Built-in ESD
Dimensions	310 x 165 x 240 mm
Weight	8 Kgs

ANTENNA AND ACCESSORIES INCLUDED IN THE PACKAGE

- MobiGPS
- Mobi GPS Chain Cable-5m
- Mobi Antenna 4 Ports 15dBi
- Mobi OAC LMR-400 cables (4unit Pack)
- 50m Power Cable with Connectors
- Power supply AC/DC for MobiLink 2000