

**PRODUCT
SPECIFICATION**



An ultra compact high capacity Node B wireless base station that fits a wide variety of applications

OneBase™

Micro Node B for UMTS Networks

Andrew Corporation offers OneBase™, micro Node B a base station with a versatile use; as micro cell overlay to the macro layer, as a driver of indoor DAS systems and anywhere the macro layer needs to be offloaded.

OneBASE draws upon the latest innovations in base station technology to support your business. With OneBASE small size and yet high capacity it becomes easy to find sites and applications. Indoor or outdoor wall or pole mounted.

The OneBASE micro node B is packed with capacity enough for both voice and High Speed Data Access (HSPA) services. If this should not be enough the oneBase micro Node B can be upgrade to two carrier.

- Complete 3G (UMTS) base station (Node B)
- Wall or pole mount with no footprint
- Interfaces the RNC via the 3GPP Iub
- One or two carriers
- High capacity 128 CE/carrier
- Compact size and low weight
- Quick and easy installation
- E1/J1/T1
- STM1/OC3c or Ethernet transmission in future release
- Battery Backup (optional)

SPECIFICATIONS

OneBase™ Micro Node B for UMTS Networks

Electrical

Supported RF Bands:

Band I	DL: 2110-2170 UL: 1920-1980
Band II	DL: 1930-1990 UL: 1850-1910*

Air interface UMTS (WCDMA) FDD 3GPP
Medium Range Base Station Class

Output power 5W per carrier

Receiver sensitivity -111 dBm (BER < 0.001)

Carrier Up to Two Carriers, 5 MHz

Capacity		Per Carrier
	Downlink	128 CE
	Uplink	128 CE
	HSDPA (peak)	14.4 Mbps
	HSUPA (peak)	5.4 Mbps

Power supply 240 VAC, -48V DC

Power consumption, watts 250 W

Transmission 8 x E1/J1/T1

Connectors

RF	2xN-type
Transmission	2 x Amphenol PT07 16-23 (4 physical lines in each connector)
Local Management	RJ45
External Alarm	Amphenol, PT07 14-15

Mechanical

Height, depth, width, mm (in) 446 x187 x 350
(17.6 x 13.8 x 7.4)

Weight, kg (lb) 25 (55.6)

System Supervision and Control

External alarms 5

Environmental

Operating temperature range -33°C to +45°C

Extended with fan option -33°C to +55°C

Ingress Protection IP66



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