

**PRODUCT
SPECIFICATION**



A complete single-carrier pico-cell wireless base station that fits a wide variety of indoor applications

OneBase™

Pico Node B for UMTS Networks IP Transmission Version

Andrew Corporation offers OneBase™, the first 3G base station designed for indoor pico environments and the ideal solution for office environments and other hot spots.

This pico base station is powerful enough to make 3G with High Speed Package Access available to corporate users, and at the same time, cost-effective enough to be used for coverage in low traffic areas. Whether you want coverage, capacity or both, OneBASE with its two capacity versions destined to be one of your favorite tools. OneBASE draws upon the latest innovations in base station technology to support your business. With the unique Ethernet based transmission OneBASE gives you the possibility to utilize local LAN and even public Internet and even ADSL for backhaul operation.

From small offices to large enterprises it has never been easier to address the need for coverage and capacity.

One BASE fits in a wide variety of indoor applications. With its light weight and small size, this pico base station can be easily mounted on a wall in an office, hotel, or shopping mall. You can use the internal antenna or use external antennas to tailor the coverage characteristics. OneBASE is an excellent tool for quickly solving your indoor coverage problems.

- Complete 3G (UMTS) base station (Node B)
- Interfaces the RNC via the 3GPP Iub
- One carrier, one sector
- Two capacity versions -80 or 40 simultaneous calls
- Compact size and low weight
- Quick and easy installation
- Secure IP transmission

SPECIFICATIONS

OneBase™ Pico Node B for UMTS Networks, IP Transmission Version

Electrical

Supported RF Bands (different HW versions)

Band I DL: 2110-2170 UL: 1920-1980

Band II DL: 1930-1990 UL: 1850-1910*

Band III DL: 1805-1880 UL: 1710-1785*

Band IV DL: 2110-2155 UL: 1710-1755*

*certification pending

Air interface UMTS (WCDMA) FDD 3GPP
Local Area Base Station Class

Output power 250 mW

Receiver sensitivity -107 dBm (BER < 0.001)

Carrier One carrier, 5 MHz

Capacity	pico 80	pico 40
Downlink	83 CE	83 CE
Uplink	84 CE	42 CE
HSDPA (peak)	14.4 Mbps	14.4 Mbps
HSUPA (peak)	2.3 Mbps	1.4 Mbps

Power supply 100-240 VAC

Power consumption, watts 60 W

Transmission 100/10 BASE-TX

Connectors

RF 2xQMA

Transmission RJ45

Local Management RJ45

Mechanical

Height, depth, width, mm (in) 275 x 95 x 430
(10.8 x 3.7 x 16.9)

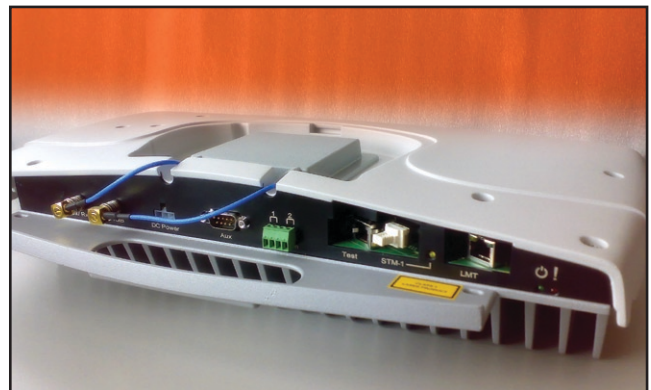
Weight, kg (lb) 6 (13.2)

IP Security

Built in VPN Client

Environmental

Operating temperature range -5°C to +45°C



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