

**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 ATM 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 OneBASE, you can expect a minimum investment risk and 40% higher return of investment compared to conventional base stations. With a minimum of investment, comparable to repeater solutions, you can expect a payback within a year for as few as 18 users.

Installation has never been easier. OneBASE 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
- E1/J1/T1 or STM1/OC3c transmission

SPECIFICATIONS

OneBase™ Pico Node B for UMTS Networks, ATM 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	70 W
Transmission	4 x E1/J1/T1 or STM-1/OC3c
Connectors	
RF	2xQMA
Transmission	RJ45
Local Management	RJ45

Mechanical

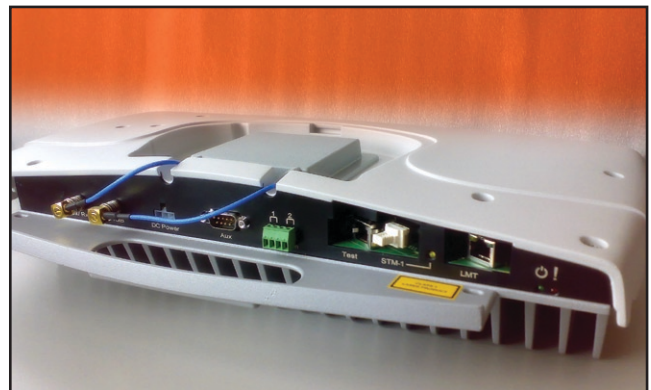
Height, depth, width, mm (in)	275 x 95 x 430 (10.8 x 3.7 x 16.9)
Weight, kg (lb)	6 (13.2)

System Supervision and Control

External alarms	2
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Environmental

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