



Outdoor Cellular and PCS MCPA System

OneBase® MCPA Cell Extender for Cellular and PCS Outdoor Applications

Electrical Specifications

Alarm Relays	Critical Major Minor
In-band Emissions per MHz	-13 dBm
Input Voltage, full	23.5–30 Vdc
Input Voltage, nominal	27 Vdc
Input Voltage, operational	21–30 Vdc
License Band	Cellular PCS
Operating Frequency Band	1850 – 1910 MHz (PCS) 1930 – 1990 MHz (PCS) 824 – 849 MHz (Cellular) 869 – 894 MHz (Cellular)
Output Current per Subrack, maximum	414 A (fully loaded)
Output Power, maximum composite	130 W in 3+1 or 3 in/3 out mode referenced to antenna port 260 W in 4x2 mode referenced to antenna port 450 W in 4x1 mode referenced to antenna port
Power Consumption, maximum	11180 W (fully loaded)
Tx Gain, adjustable	-8 dB to +3 dB (Cellular) -8 dB to +3 dB (PCS)

General Specifications

Application	Outdoor
Capacity, cabinet	Up to 12 modules
Capacity, frame	Up to 3 subracks
Capacity, subrack	Up to 4 modules
Mount Type	Floor mount with cabinet

Environmental Specifications

Operating Temperature	-40 °C to +50 °C (-40 °F to +122 °F)
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Dimensions

Depth	1067.0 mm 42.0 in
Height	2123.0 mm 83.6 in
Weight, fully loaded	636.0 kg 1402.1 lb
Width	762.0 mm 30.0 in

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system