



WIRELESS NETWORK CONNECTIVITY SOLUTIONS: ENCLOSURES

ENCLOSURES

- Enclosure systems for multiple applications
 - Oil & Gas
 - Public Safety
 - Industrial Wireless & SCADA
 - Smart Grid & Metering
 - Government & Defense
 - Telecommunications
 - Enterprise
 - Healthcare
 - Education
 - Manufacturing
- Metallic & non-metallic platforms
- In-building and outdoor models
- Thermostatically controlled temperature options
- Custom coaxial cable assemblies
- Ceiling, wall, mast or surface mount options
- Outstanding value

OUR CAPABILITIES

- Manufacturing locations in the USA and Asia
- Top of the line SATIMO SG 24 near-field antenna test ranges with anechoic chambers
- High fidelity 3D electromagnetic simulation and mechanical design software tools
- In-house environmental test facilities
- Custom design and project management services



NEMA RATED ENCLOSURES

ENCLOSURE NOMENCLATURE GUIDE

PCTEL uses the following model to generate configured product part numbers for customized enclosures. This structure outlines the radio type and features of each configured enclosure. Customized fiberglass, aluminum, in-ceiling enclosures and accessory configurations available upon request.



NEMA, short for National Electrical Manufacturers Association, has established a rating system in the USA for enclosures which defines different levels of protection from weather and other environmental considerations. The NEMA guides to the different ratings are available on the web at antenna.com

NEMA - SC - MAP20 - DV* - C**

Enclosure Size (inches)		Radio Model	Features	
Enclosure Type	Door Color			
NEMA Rated Enclosure	10 x 8 x 6 Clear	Meru AP200	Deep Freeze Heater Ventilation	Custom Hole Configuration

ENCLOSURE TYPE
NEMA = NEMA Rated Enclosure

ENCLOSURE SIZE (INCHES)
T = X-Small (8 x 6 x 5)
S = Small (10 x 8 x 6)
M = Medium (12 x 10 x 6)
L = Large (14 x 12 x 6)
X = X-Large (16 x 14 x 6)

DOOR ATTRIBUTE (COLOR)
C = Clear
O = Opaque

RADIO MODEL
CIS24 = Cisco 1220/1230/1240
CIS35 = Cisco 1140/1260/3500
CIS50 = Cisco 1250
MAP15 = Meru AP150
MAP20 = Meru AP200
MAP35 = Meru AP350
SYM3E = Symbol AP300 (External)

FEATURES
D = Deep freeze heater
F = Fan & Filter
H = Heater
J = Heater, Fan & Filter
L = Lock & Key
M = Mast Mount Kit
O = POE Fan
P = POE Heater
Q = POE Fan & Heater
V = Ventilation

CUSTOM DRILL-HOLE CONFIGURATION
**C = Custom (Optional)
For custom hole configurations, please reference Sparco's configuration template document

RADIO MODEL
SYM3I = Symbol AP300 (Internal)
SYM65 = Symbol AP650
SYM51 = Symbol 5131
SYM71 = Symbol 7131
ARU105 = Aruba 105
ARU124 = Aruba 124
ARU135 = Aruba 135

* Not all AP radio models listed. Contact us for other radio interface options.

Dimensions (inches)

Enclosures	A x B	C	D	E	F	G	H	I
8 x 6 x 4	6.25 x 4.25	8.75	6.75	9.4	5.7	8.3	5	6.3
10 x 8 x 4	8.25 x 6.25	10.75	8.75	11.4	6.2	10.3	5.5	8.3
12 x 10 x 6	10.25 x 8.25	12.75	10.75	13.4	7.7	12.3	7	10.3
14 x 12 x 6	12.25 x 10.25	14.75	12.75	15.4	7.7	14.3	7	12.3
16 x 14 x 8	14.25 x 12.25	16.75	14.75	17.4	9.7	16.3	9	14.3



ENCLOSURE LINE PRODUCT SELECTION

RECESSED CEILING TILE (RCT) SERIES



Recessed, deep hinged door



Recessed, deep hinged door

Designed to protect sensitive radio equipment from theft and tampering. Aesthetically designed to accommodate a safe and secure office environment. Some covers have several laser knockouts that allow the installer to mount different types of antennas to the front door (if needed) while keeping the antenna jumper cables discretely hidden.

- Stainless steel construction with hinged door.
- White powder coated to match many indoor environments.
- Easy-to-paint exterior.
- Includes above ceiling support system to allow horizontal installation of the WCAP.
- Includes installed keyed cam lock.
- Designed for easy installation in ceiling or wall mounted plasterboard.
- Security wire included to harness equipment in above ceiling installations.
- Custom coaxial cable assemblies for added flexibility and connection to external antennas.
- Mounting plate interface for Cisco Systems®, Aruba® Networks, HP®, Proxim® Wireless, Motorola Solutions, Meru Networks®, Linksys®, Dlink® and Firetide® access point radios.



NEMA RATED POLYCARBONATE SERIES



Wall mount with
Access point mount



16 X 14 X 8 inches with
Access point mount



12 X 10 X 6 inches with
Access point mount

Designed for use as an insulated enclosure to protect radio frequency access devices in wet, dusty and corrosive environments. Clear cover provides easy visual inspection of interior components. Lightweight design is easy to ship and install. Enclosures also designed to prevent theft and tampering of radio equipment.

Our engineered thermoplastic enclosures feature superior impact resistance of over 1485 lb/in, versus standard fiberglass enclosures' typical 220 lb/in.

These non-corrosive enclosures are ideal for high humidity outdoor environments.

Mounting plate interface for Cisco Systems®, Aruba® Networks, HP®, Proxim® Wireless, Motorola Solutions, Meru Networks®, Linksys®, Dlink® and Firetide® access point radios.

Clear or opaque door options are available and a mounting base kit is included for wall installations. Other options include diversity coaxial cable assemblies and a seal grommet for data cables.



TEMPERATURE CONTROLLED SERIES



Wall mount with cooling Fan



Wall mount with heater

Designed for use as an insulated enclosure to protect radio frequency access devices in wet, dusty and corrosive environments or to prevent theft and tampering of radio equipment. Clear cover provides easy visual inspection of interior components. Lightweight design is easy to ship and install.



Our fan and heater systems are thermostatically controlled. The fan is powered off with either a 802.3af compliant POE injector (not included) or a 120V AC power source. A single power receptacle is included.

Heater automatically turns on at 40° F, and turns off at 80° F.



INTRINSICALLY SAFE SERIES

PCTEL's intrinsically safe enclosures are designed to house equipment in Class 1, Division 1 or Division 2 designated locations where the possibility of fire or explosion is elevated due to the presence of flammable gases, vapors, dusts or fibers. These enclosures completely seal electronic and RF equipment devices that could potentially generate sparks or become a source of ignition in these hazardous environments.

- PCTEL's intrinsically safe enclosures meet the harshest environments – Class 1 Division 1



Enclosures for Hazardous Environments

Our intrinsically safe enclosures are fully customizable. Call with your specific requirements.



ENCLOSURE ACCESSORIES



RJ45 Field replaceable Ethernet connector system



Mast mounting kit for wall mount enclosures



Security screws for wall mounting



Sun shade

RJ45 field replaceable ethernet connector system. Passes RJ45 plug and seals cable to IP68.

The kits contain all aluminum components and stainless steel fasteners, designed to securely fasten your PCTEL Indoor/Outdoor enclosure to a metal pole.

Security screws (set of 4). Used to fasten the enclosure securely to the wall. The special screw head deters vandals from attempting to use a standard screw driver to remove the enclosure from the wall.

This weather shield protection cover is designed to protect the enclosure from direct sun, rain, snow or falling debris.