

*Preliminary* **Fact Sheet**



## **General Purpose 1 foot Enclosure with Integrated Antenna**

MTI introduces the new MT-900042 General Purpose Enclosure with Integrated Antenna, to complement its field proven enclosure kits (1 foot & ½ foot).

This document describes the newest addition to MTI's Integrated Antenna Enclosures family (MT-900101 & MT-900103).

### **General Purpose Enclosure with Integrated Antenna**

The new MT-900042 enclosure with antenna is the ideal solution for professional outdoor wireless applications. It has been designed and manufactured with the utmost care using the best quality materials and components. It features innovative characteristics that enhance the flexibility of the assembled product. This enclosure and antenna assembly is particularly suitable for professional OEM and wireless outdoor applications.



### **Enclosure**

The enclosure is made of die-cast aluminum alloy with built-in **grounding** and **shielding** of the internal electronic board.

The unit is dust and waterproof (**IP67**) thanks to the high quality materials and a gasket.

The enclosure features a female to female RJ45 Ethernet connector for maximum flexibility.

The connector is waterproof and includes a strain relief.

Knock-out holes at the bottom and on top of the case allow easily adding different connectors and up to five additional antennas for **MIMO** applications.

A lightweight, heavy duty mounting kit (die cast aluminum) allows **Vertical** or **Horizontal** polarization, as well as **Dual Slant** wall or pole **mounting**, with a wide angle tilt.

### **High Performance Antennas**

A wide selection of integrated high performance antennas allows long distance links, high throughput and signal stability.

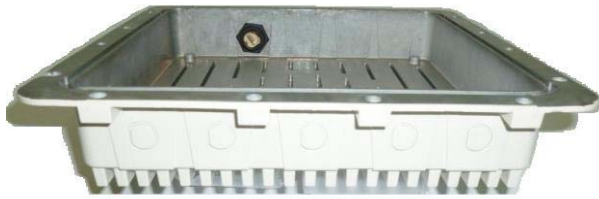
The new design of the enclosures includes internal slots for easy and flexible mounting of the electronic boards. The position of the stand-offs may be freely selected to fit your choice of electronics, router boards and radio boards.

The heat dissipation fins at the back allow for high power applications.

The integrated antenna has an SMA connector to allow easy connection of your RF signal.

A wide selection of high performance integrated antennas is available. This includes **Single Polarization**, **Dual Polarization**, **Dual Slant** and other **CPE**, **Omni** and **BTS antennas** in all popular frequency bands (2.4, 3.5 & 5 GHz).

**Ready for 802.11n and other MIMO Applications**



- CPE & Sector
- WiFi
- HiperLan
- WiMAX
- 4G / LTE μCell
- Long range Point to Point (PTP)
- Hot Spot
- Mesh Networks
- others

**Features**

- **Heat dissipation fins**
- Multiple **options for Connectors**
- Multiple **options for Omni antennas** etc.
- Internal **slots for mounting** of PCB, etc.
- **IP67 f2f RJ45 Connector**
- **Vertical/Horizontal or Dual Slant** ( $\pm 45^\circ$ ) **Mounting**
- More

**Benefits**

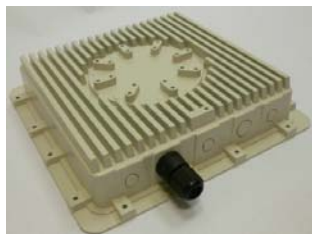
- **Dissipates more heat**
- **Flexible**, incl. “Repeater” applications
- Flexible, incl. **MIMO** e.g. 802.11n
- **No need** for *Adapting Plate*
- Easy and flexible **installation**
- Flexible **mounting options**

**Mechanical and Environmental Specification:**

Dust & Water Resistance	IP67
Enclosure and Radom	Die cast ALU stabilized RAL7040
Antenna Backplane	Galvanized Steel
Protection (IEC 529)	IP67
Operating Temp	-55°C to +71°C (IEC 68-2-14)
Wind Survival	220 Kmh
Wind Load	0.06 m <sup>2</sup>
Solar Radiation	(ASTM G53) 1,000 h
Length x Width x Depth (ext.)	305 x 305 x 70 mm
Weight	2,2 Kg
Mounting Kit (Wall or Pole)	MT-120018/A

**Electrical Specification:**

Dependant on selection of integrated antenna.



**WAIVER!**

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