

MTI's Integrated Antenna Enclosures MT-900007 & MT-900016

Empowering carriers and equipment manufacturers with a more flexible edge in deploying low-cost CPEs or RFID Readers



MTI's half-foot and one-foot enclosure kits are industry-unique "do-it-yourself" flat panel antenna systems that meet the growing demand in the Broadband Wireless Access & RFID market for highly customizable Customer Premises Equipment (CPE)

or RFID Reader solutions.

The Integrated Antenna Enclosure presents a comprehensive, low cost approach for creating tailor-made Fixed Wireless subscriber units or RFID Readers. Complete with a robust enclosure, mounting kit, adapting plate* and integrated antenna, the product enables carriers, integrators and equipment manufacturers to simply and quickly install their own network-specific electronics and deploy subscriber units or RFID Readers that meet their mission-critical goals for service diversification.

The IAE is a reflection of **MTI's** field-proven experience, technological innovation, deep engineering capabilities and impeccable production standards in creating the finest commercial flat panel antennas available.

MTI can design the internal adapting plate* according to a customer's electronic spec and antenna preference and ships a completely customized, "do-it-yourself" kit. Simply install your electronics inside, connect the antenna, fasten the screws – and you have a high quality low-cost CPE unit or RFID Reader ready for deployment.



Features & Benefits

- **The ultimate customizable CPE / RFID Reader** - low cost, high quality & superior esthetics
- **Flat & Flexible** – accommodates any of MTI's standard antennas from the size of a half foot and above (including diamond shaped antennas)
- **Ample space** – houses all conventional radios, modem & Reader electronics
- **Customizable** – internal adapting plate* designed to specific assembly needs
- **Adaptable mounting** – professional mounting kit for both wall and pole installation, azimuth and elevation control
- **Robust & weather-proof** – withstands all electrical and environmental conditions; ETSI compliant
- **Self-install** – Quick set-up enables quick deployment
- **MTI Wireless Edge Inside** – 35 years of field-proven experience; outstanding technology, mechanical design & production; uncompromising quality testing & assurance procedures

*for MT-900007 only

Specification

Enclosure Size:	MT-900007	305x305x70mm (max external) 250x250x39.5mm (max internal)
	MT-900016	190x190x50mm (max external) 150x150x38mm (max internal)
Antenna Size:	For MT-900007	305x305mm (min) 450x450mm (max)
	For MT-900016	190x190 mm (min) 450x450mm (max)
Enclosure Weight:	MT-900007	2.2 Kg (max) (without antenna)
	MT-900016	0.55 Kg (max) (without antenna)
Connectors		CAT 5 and N-Type
Power Dissipation	MT-900007	20W max
	MT-900016	15W max
Mounting		Both wall and pole mount
AZ/EL control		Both
Pole Size		Ø 0.5" – 3"
Temperature		-55°C to 71°C
Vibration		IEC 60721-3-4 4M5 Random
Shock Mechanical		IEC 60721-3-4 4M5
Humidity		100%
Water Tightness		IEC 529 / IP67
Solar Radiation		ASTM G53 1000h
Ice Load		25mm radial
Salt Fog		IEC 68-2-11 Ka 500 hours



MT-900007



MT-900007



MT-900016

The following MTI antennas are compatible with the 1 Foot Enclosure MT-900007:

MTI Model #	Frequency Band	Gain (dBi)	Special Features
MT-182011/SV/E	405-450MHz	8 dBic	
MT-182016/SLH/E	430-437MHz	9 dBic	Circular Polarization
MT-262006/SRH/E	902-928MHz	8.5 dBic	Circular Polarization
MT-262001/S/E	902-928MHz	9 dBi	
MT-263003/S/E	902-928MHz	10 dBi	
MT-30081/S/G	2.4-2.5GHz	15.5 dBi	
MT-364023/S/E	2.4-2.7GHz	16 dBi	
MT-364002/S/E	2.5-2.7GHz	16 dBi	
MT-344041/S/E	2.3-2.7GHz	17.5 dBi	
MT-405036/C/E	3.3-3.8GHz	18 dBi	
MT-445003/SVH/E	4.4-5.1GHz	20.5H/22.5V	Dual Pol.(V+H)
MT-465005/S/E	4.9-5.35GHz	20.5 dBi	
MT-485028/S/E	5.15-5.875GHz	22 dBi	Low-Cost
MT-485002/S/E	5.15-5.875GHz	23 dBi	
MT-485034/S/E	5.25-5.875GHz	23 dBi	Diamond shape
MT-485025/SVH/E	5.15-5.875GHz	23 dBi	Dual Pol.(V+H)
MT-486004/S/E	5.15-5.875GHz	26 dBi	
MT-484032/SV/E	5.15-5.875GHz	13 dBi	BTS 90deg V

The following MTI antennas are compatible with the 1/2 Foot Enclosure MT-900016:

MTI Model #	Frequency Band	Gain (dBi)
MT-364035/S/R	2.3-2.7GHz	15.5 dBi
MT-300117/S/R	3.3-3.8GHz	16.5 dBi
MT-485001/S/R	5.15-5.875GHz	18 dBi

* Other antennas available upon special request



MTI Wireless Edge Ltd.
11 Hamelacha St., Afek Industrial Park,
Rosh Ha'ayin 48091 Israel
Tel: +972-3-9008900, Fax: +972-3-9008901
sales@mtiwe.com www.mtiwe.com

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