

2.4 GHz FLAT PANEL BASE STATION ANTENNA

MTI PART NUMBER		MT - 363010/VN		
REGULATORY COMPLIANCE		ETSI EN 301 525 V1.1.1		
ELECTRICAL				
FREQUENCY RANGE		2.4 - 2.7 GHz		
GAIN		13 dBi (min)		
VSWR		1.5:1 (max)		
AZIMUTH BEAMWIDTH		$90^{\circ} \pm 6^{\circ}$		
POLARIZATION		Vertical		
ELEVATION BEAMWIDTH		16° (typ)		
SIDELOBES LEVEL		Azimuth: -30dB (max) @ $\pm 135^{\circ}$ Elevation: -12dB (max)		
CROSS POLARIZATION		-20dB (max)		
CROSS POLARIZATION DISCRIMINATION		-25dB (max)		
F/B RATIO		-30dB (max)		
INPUT IMPEDANCE		50 (ohm)		
INPUT POWER		6W		
LIGHTNING PROTECTION		DC Grounded		
MECHANICAL				
DIMENSIONS (LxWxD)		510X330X30mm (max)		
WEIGHT		(kg) (max)		
CONNECTOR		N-type Female		
RADOME		Plastic		
BASE PLATE		Aluminum with chemical conversion coating		
MOUNTING KIT		MT-120018		
ENVIRONMENTAL				
TEST	STANDARD	DURATION	TEMPERATURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-55C	-
HIGH TEMPERATURE	IEC 68-2-2	72 h	+71C	-
TEMP. CYCLING	IEC 68-2-14	1 h	-45C +70 C	3 Cycles
VIBRATION	IEC 60721 -3-4	30 min/axis	-	Random 4M3
SHOCK MECHANICAL	IEC 60721 -3-4	-	-	4M3
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	-	95%
WATER TIGHTNESS	IEC 529	-	-	IP67
SOLAR RADIATION	ASTM G53	1000 h	-	-
FLAMMABILITY	UL 94	-	-	CLASS HB
SALT SPRAY	IEC 68-2-11 Ka	500 h	-	-

ICE AND SNOW	-	-	-	25mm Radial
WIND SPEED				
SURVIVAL	-	-	-	220 Km/h
OPERATION	-	-	-	160 Km/h

SIZE A	MTI WIRELESS EDGE	DWG NO RD41189200C	REV A
SCALE NONE		SHEET 2 of 3	