



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 ⁰ ± 6 ⁰				
POLARIZATION	Vertical				
ELEVATION BEAMWIDTH	16 ⁰ (typ)				
SIDELOBES LEVEL	Azimuth: -30dB (max) @ ± 135 ⁰ 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	-55 C	-	
HIGH TEMPERATURE	IEC 68-2-2	72 h	+71 C	-	
TEMP. CYCLING	IEC 68-2-14	1 h	-45 C +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	