

Product information

Model Number: IDSM-1000, IDSM-1100

The IDSM-1000/1100 antennas are antenna enclosures that contain two antenna panels. These are designed for use with Sensormatic RFID Readers. The panels are multiplexed – the reader drives only one panel at a time. These enclosures are design for attachment to Sensormatic anti Theft pedestals, enabling existing pedestals to be upgraded to RFID technology.

The antenna contains the following antenna panel with appropriate tuning.

Description	Part Number	Image
915 mhz Tuned Antenna	0312-7087-01	
868 MHz Tuned Antenna	0312-7087-02	

Product code	Description
IDSM10-NA-RR1U	915 MHz tuning. Antenna Panels on one pedestal side only.
IDSM10-EU-RR1U	868 MHz tuning. Antenna Panels on one pedestal side only
IDSM10-NA-RR1B	915 MHz tuning. Antenna Panels on both pedestal sides.
I IDSM10-EU-RR1B	868 MHz tuning. Antenna Panels on both pedestal sides

Required Antenna Options

Part Number	Description	Comment / Notes
0352-0585-01	RFID QUAD PATCH ANTENNA NA, UNIDIRECTIONAL	Regions that use NA/FCC standard. 2 required per pedestal.
0352-0587-01	RFID QUAD PATCH ANTENNA EU, UNIDIRECTIONAL	Regions that use EU/ETSI standard. 2 required per pedestal.
0352-0584-01	RFID QUAD PATCH ANTENNA NA, BIDIRECTIONAL	Required for middle pedestals of Splits and Quads. 2 required per pedestal.
0352-0586-01	RFID QUAD PATCH ANTENNA EU, BIDIRECTIONAL	Required for middle pedestals of Splits and Quads. 2 required per pedestal.

Required Pedestal Cover

Part Number	Description	Comment / Notes
0352-0582-01	I/K,ANT COVERS-ANT PEWTER	1 required per pedestal

Table 1: Product codes – IDSM-1000 for UltraExit type pedestals, IDX-4000 and IDX-5000 Readers.

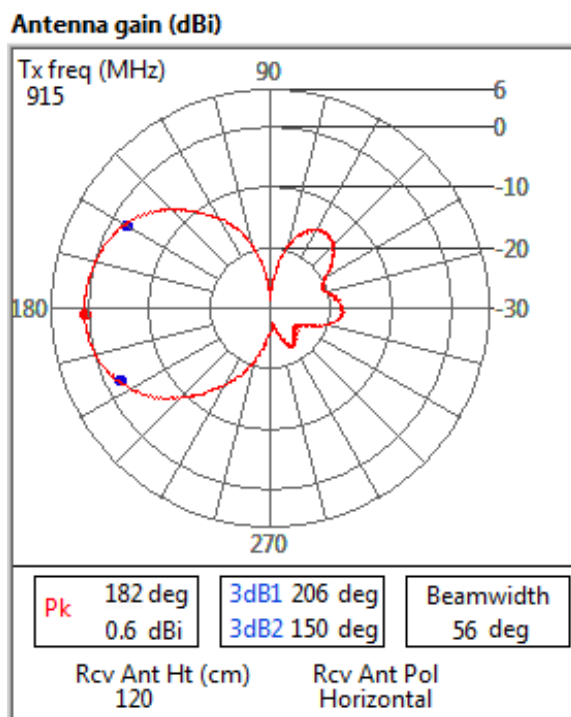
Product code	Description
IDSM-1100-US-M	DUAL TECHN EAS&RFID PED US M BIDIR
IDSM-1100-US-RT	DUAL TECHN EAS&RFID PED US RP-TNC BIDIR
IDSM-1100-EU-M	DUAL TECHN EAS&RFID PED EU M BIDIR
IDSM-1100-EU-RT	DUAL TECHN EAS&RFID PED EU RP-TNC BIDIR

Table 2: Product codes – IDSM-1100 for UltraExit type pedestals, IDX-9000 RFID Reader.

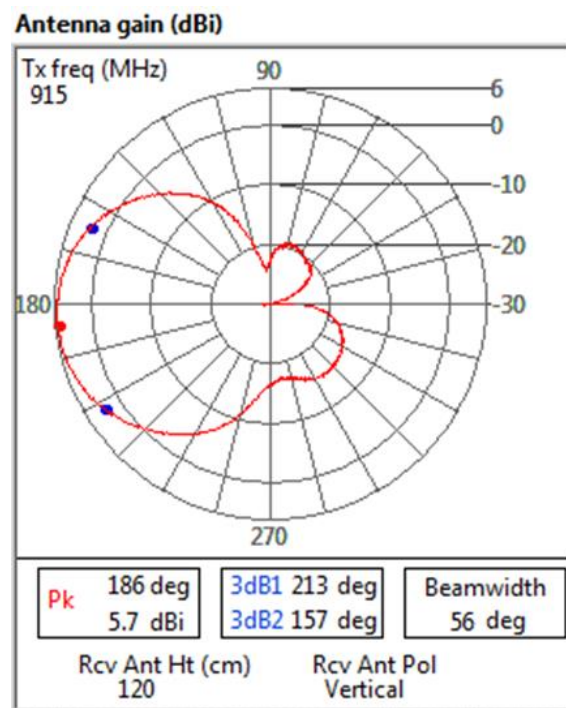
Product code	Description
IDSM-1000-EU-M	DUAL TECHN EAS&RFID PED EU MCX
IDSM-1000-EU-RT	DUAL TECHN EAS&RFID PED EU RP-TNC UNIDIR
IDSM-1000-US-M	DUAL TECHN EAS&RFID PED US MCX
IDSM-1000-US-RT	DUAL TECHN EAS&RFID PED US RP-TNC UNIDIR

Specification	Description
Operating frequency	902 MHz to 928 MHz or 865 MHz to 868 MHz
Antenna technology	Patch
Radiation pattern	See below
Gain	6.0 dBiL
Voltage standing wave ratio (VSWR)	<2.0 (50 Ohms)
Beam width; AZ or EL	55 degrees
Polarization	RHCP
Input impedance	50 Ω
Connector	RPSMA, (MCX, TNC in legacy designs)
Regulation	ROHS: EU Directive 2015/863 WEEE: EU Directive 2012/19/EU REACH: EC No 1907/2006 ETSI EN 302 208
IP rating	Indoor antenna IPX0
Temperature range	Operating: -20° to 65°C (-4° to 149°F) Storage: -40°C to 70°C, -40°F to 158°F
Humidity	5 to 95% non-condensing
Dimensions	Height 155cm (61in) Width 50.9cm (20in) Thickness (with base covers) 12.5cm (4.9in) Weight (with base covers) 9.7kg (21.3 lbs)

Antenna radiation patterns

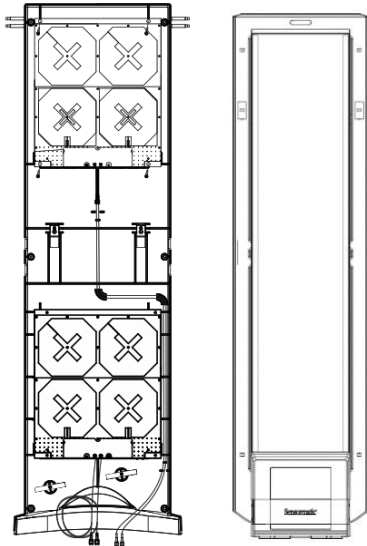


Above: Horizontal



Above: Vertical

Product images



Above: Left: IDSM-1000 Enclosure, Right: IDSM-1100 Enclosure
One RFID Reader per pedestal, up to four multiplexed antennas per pedestal.

Other declarations

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