

3M™ Inspection and Asset Management System Hardware Specifications

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RFID Tag

Operating Frequency	13.56 MHz (HF)
Dimensions	ø 20 mm (0.79") x 3 mm (0.12")
Operating Temperature.....	-35°C to 85°C / -31°F to 185°F
Storage Temperature.....	-35°C to 100°C / -31°F to 212°F (max 168h)
Color.....	Black
Material	Polyamide with glass fiber
IP Class.....	IP67 (Flat & Curved Surfaces - Adhesive Mount), IP68 (Mechanical Mount)
International Standards	ISO 15693, ISO 18000-3

RFID Reader (ID Blue)

RFID Standards Supported.....	HF: ISO 15693, Tag-it™ HF/HFI, Phillips I-Code SL1/SL2
Typical Read Range (Tag Dependent) ..	2 to 4 cm
Operating Frequency	HF: 13.56 MHz
Power source	Rechargeable Lithium-ion battery, 3.6 VDC, 550mAh
Battery Run Time	8 hours average (May vary depending on use)
Battery Charging.....	USB 2.0 standard port (1.5 hour charge time maximum)
Mobile Platforms	iOS, Android, Windows Mobile
Dimensions	137 mm (5.39") L x 28 mm (1.10") W x 21 mm (0.83") D
Weight	60 grams (2.1 oz.)
Indicator	Multi-color LED indicates battery level, communications status, RFID read status
Maximum RF Output Power.....	+4 dBm (2.5 mW)
Operating/Storage Temperature.....	-20°C (-4°F) to 40°C (104°F)
IP Class.....	IP54
Regulatory approvals.....	FCC (Part 15), CE, CSA

RFID Reader (ID Blue) Communications

Bluetooth® 2.1	Class 2, Serial Port Profile (SPP)
Wireless Range	10 meters
Operating Frequency	(2.400 - 2.485) GHz, ISM Band
USB 2.0	USB 2.0 standard port

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