

RFID SPECIFICATIONS

STANDARDS	ISO 18000-63 / EPC global Gen2v2	NOMINAL READ RANGE	~8+ m (~26.2 ft.)
RFID ENGINE	MTI MS-710 SiP with Impinj E710 Die Inside	FREQUENCY RANGE AND RF SYSTEM OUTPUT	US: 902~928 MHz; 0~30 dBm (EIRP) EU: 865-8~68 MHz; 0~30 dBm (EIRP) 916.3, 917.5, AND 918.7 MHz; 0~30 dBm (EIRP) Japan: 916~921 MHz (w LBT); 0~30 dBm (EIRP)
FASTEST READ RATE	1,000+ tags/sec		

BARCODE SPECIFICATIONS

SENSOR RESOLUTION	1280 x 800 pixels, global shutter	READING DISTANCE	20.16 in./ 51.2 cm (10 mils C39)
FIELD OF VIEW	48 ± 2° horizontal 31 ± 2° vertical	AIMING	Red laser
SKEW, PITCH, ROLL	±60° skew tolerance, ±60°pitch tolerance, 360° roll tolerance	ILLUMINATION	White LED

PHYSICAL CHARACTERISTICS

DIMENSIONS	140 mm H x 78 mm W x 168 mm L (5.5 in. H x 3.1 in. W x 6.6 in. L)	WEIGHT	~500 gr (~17.6 oz.) Include Battery
BATTERY	Quick-Release, Li-ion 5,000 mAh	INDICATORS	RFID Read Beeper Barcode Decode LED Low Battery Status LED

COMMUNICATIONS

SUPPORTED OS	iOS/iPad OS, Android, Windows	REMOTE MANAGEMENT	Wi-Fi 6 Via Attached Host Device Ethernet Cradles (TBD)
INTERFACE	USB Type-C Apple lightning connector (MFi) Bluetooth 5.3 and WiFi 6	AVAILABLE CASE	iPhone 15, 14, 13, 12 & 12Pro iPhone SE(2nd)/8/7, iPhone 8/7 Plus iPhone 11/XR, iPhone XS/Max iPad 9/8/7, iPad Air 3/2 iPad Pro 10.5/9.7 iPad Mini 5, iPod 7/6/5 Galaxy XCover Pro, A20, S10e, S9, S8, S7 Galaxy Tab Active Pro 10.1 Active 3 Galaxy Table A 10.5", Tab A 8.0, Tab S4
BLUETOOTH PROFILES	Apple iAP2/MFi SPP Profile GATT Profile HID Profile		

WIRELESS LAN

RADIO	IEEE 802.11 ax/ac/a/b/g/n 2X2, MU-MIMO, IPV4	OPERATING CHANNELS	Channel 1-14: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14; Channel 36-196: 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 144, 149, 153, 157, 161, 165, 172, 183, 184, 185, 187, 188, 189, 192, 196; Channel Bandwidth: 20, 40, 80MHz
DATA RATE	5GHz PHY data rates up to 1.2 Gbps; 2.4 GHz PHY data rates up to 458Mbps		

USER ENVIRONMENT

DROP SPECIFICATION	Multiple 5 ft./1.5 m drops to concrete	HUMIDITY	5~85% non-condensing
OPERATING TEMP.	-20°C to 60°C/-4°F to 140°F	ELECTROSTATIC DISCHARGE	±15kV air discharge ±8kV direct discharge ±8kVdc indirect discharge
STORAGE TEMP.	-40°C to 70°C/-40°F to 158°F	SEALING	IP65

ACCESSORIES

CRADLES & CHANRGING	USB-Cable USB Adapter Charging Cradle Charging and Ethernet Cradle (TBD)
--------------------------------	---

