Supported Tag/ Protocol EPC global Gen2 (ISO 18000-6C) with DRM ISO 18000-6B (optional)

Acoustic Sensor Can be used ensure compliance with limits for General Population / Uncontrolled Exposure, cf. FCC Human RF Exposure limits OET 65.

Reader Protocol MonsoonRF Protocol, Firmware upgradable, Direct Connect Service

UHF RFID Antenna 2 integrated Antennas: Directional (for Reading) + Omni (for WiFi service and setup)

9 DBI
Antenna Gain

>15 DB
F/B Ratio

7 WATTS
DC Power Max (at 5 Volts DC)

< 1.3 VSWR

50 OHMS
Impedance

72 DEGREES
Beam Width

MADE IN USA

>15 DB CP RATIO

<2 DB AXIAL RATIO

RF Power 36 dBm Max (4 watts EIRP)
Dense Reader Management Dense reader mode, Auto event triggering and event management

Frequency FCC 902-928 MHz (Americas) ETSI 865.6-867.6 MHz (EU) KCC 917-920.8 MHz (Korea) TRAI 865-867 MHz (India) ACMA 920-926 MHz (Australia)
Channel Spacing 500 KHz
Communications (Data/Control) 802.3 Ethernet

Communications (Data/Control/Wireless) 1. Wi-Fi   2. 802.11S MESH Network   3. Custom 915 MHz

Physical Factors
Weight 2 Lbs (0.91Kg)
Size 220mm x 187mm x 55mm (excluding mounting)
Mounting Options|
    1. Track Light Attachment Clip (not powered)
    2. U-Bolt and Plate.
    3. Hanger
    4. Customer Specified
Electrical Interface: PoE
    (IEEE 802.3af-2003)
Network Interface:
    Ethernet, DHCP (Client) enabled.
Aux RF options:
    Auxiliary RF Output, SMA Female for 2nd Antenna.

Environments
Operating Temperature -20C to +55C (- 4F to +131F)
Storage Temperature -40C to +85C

Performance
Max Read Rate Up to 200 tags/second/reader
Max Read Distance Up to 25 feet (7.6 meters)
Max EPC ID Length 128 Bits

Regulatory FCC 47 CFR 15.247; UL, ROHS Compliant

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DATA SHEET

AA1-B-T

Career

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