



Pico Mega Design Labs (P) Ltd.

Pico second Systems to Megawatt Systems - Design Solutions all the way

EPC CLASS 1 GEN 3 UHF READER

Specifications

- *2 m read range*
- *Class 3 operation*
- *Battery-assisted passive technology*
- *Backward compatible to EPC global Class 1 Gen 2 standards*
- *Global interoperability*

Communication Capability

- *Native web capability*
- *Ethernet*
- *GPIO ports*
- *RS-232 serial*

Physical Characteristics

Dimensions	7.5" x 12" x 2.6" (19.1 cm x 30 cm x 6.6 cm) (includes mounting plate with four ¼" mounting holes)
Weight	3.6 lbs (1.6 kg)
Visual Status Indicators	LED's for power (green), activity (yellow) and software on (red)
Connectivity	
Network	10/100 BaseT Ethernet RJ45
External Interfaces	Control I/O Port (4 input, 4 output ports) DB15 Male RS-232 Serial DB9 Female
RF Connectors	Reverse-TNC
Power Supply	+24 VDC @ 1.5 amps



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Environmental

Enclosure Protection **IP 54**

Temperature

Operating **-4° to +131°F (0° to +55°C)**

Storage **-4° to +158°F (-20° to +70°C)**



LAPTOP TAG

Part No.	ID-UHFLT-GN1
Operating Frequency	860 to 960 MHz
Protocol	EPC Global Class 1 Gen 2
Read distance	5 m
Data Rates	Up to 640 Kb/s
Memory	8 K byte
Operating Temperature	-20°C to +65 °C
Memory	
Data Retention	4 years
Write Endurance	10000 write operations
Battery	Lithium BR1225
Battery life ^(1, 2)	2 years
Dimension ⁽³⁾	49 mm x 14mm x 14mm

Note:

- 1. Battery life depends on the no. of interrogation per day**
- 2. Battery life also depends on the size of the battery**
- 3. The dimensional specifications are preliminary and subjected to modifications based on the field trials and the product life time.**



ACCESS CONTROL TAG

Part No.	ID-UHFAC-GN1
Operating Frequency	860 to 960 MHz
Protocol	EPC Global Class 1 Gen 2
Read distance	5 m
Data Rates	Upto 640 Kb/s
Memory	8 K byte
Operating Temperature	-20°C to +65 °C
Memory	
Data Retention	5 years
Write Endurance	10000 write operations
Battery	Lithium BR1225
Battery life ^(1, 2)	2 years
Dimension ⁽³⁾	87.6 mm x 56 mm x 3mm

Note:

- 4. Battery life depends on the no. of interrogation per day**
- 5. Battery life also depends on the size of the battery**
- 6. The dimensional specifications are preliminary and subjected to modifications based on the field trials and the product life time.**