



CSL -461 UHF RFID Fixed Reader is an all purpose high performance RFID reader specially designed for UHF C1 G2.



#### Product Profile

The CSL-461 EPC Class 1 Gen 2 Reader is an intelligent RFID reader at UHF frequency. This reader is powered by Impinj technology, with extremely high inventory rate, tag velocity, and true dense reader mode.

#### Features

- RFID Protocol in dense-interrogator
- Sophisticated data handling for efficient management of large streams of tag data on LAN resources
- Highly configurable buffering and tag filtering modes to eliminate the redundant tag data so as to reduce LAN traffic and server loading
- Compliant to the ISO 18000-6 type C, UHF RFID Standard
- 640 Kbps tag-to-reader data rates
- Robust performance in dense-reader environments
- Excellent in transmit and receive mode generates a different combination of unique reader-to-tag command rate, tag-to-reader backscatter rate, modulation format, and back scatter type
- Tremendous savings by using a single transmit /receive antenna for each of its four ports ultra high inventory rate, read rate, and tag velocity
- Settable and configurable parameters offer maximum throughput and optimal performance
- Support all Gen 2 commands, including write, lock, and kill

#### Specifications

- Dimension: (LxWxH) 295 mm x 300 mm x 80 mm.
- Weight: 3 kg.
- Memory: SRAM 64KB, Flash 64KB
- Environment:
  - Operating Temp: -20°C to 55°C (-4°F to 131° F)
  - Storage Temp: -40°C to 85°C (-40°F to 185° F)
  - Humidity: 10% to 95% non-condensing
- Antenna: 4 TNC duplex antenna ports, each single unit antenna for transmit and receive per port
- Power: Power adapter for 110 - 240 VAC auto-ranging to DC Volts, 60 Watt
- Frequency: 919 MHz to 923 MHz band (Malaysian Standard)
- Protocol: ISO 18000-6C, EPC Class 1 Gen 2
- Interfaces: 10/100 BASE-T Ethernet (RJ-45 connector) Configurable to use fixed IP address or DHCP HTTP web server
- Connectivity: RS-232 (DB9 connector)
- Networking Protocols: Low-Level MACH1 API or High-Level HTTP API
- Hardware Platform: XScale
- Operating System: Monta Vista Linux 3.1, Microsoft BizTalk ready
- Maximum speed of read rate: 1,000 tag/sec
- Maximum speed of tag: 660 ft/min
- RF Power: 30.0 dBm
- Read range: up to 6 meters
- Dense Reader Mode: Available

#### MM3 UHF C1G2

FEC International (M) Sdn. Bhd. is an associated company of FEC Inc. Japan. We are dealing with RFID related products, where we focus on RFID implementation nationwide in Malaysia and global market. FEC International is in collaboration with world class partners producing various types of inlay to suit different applications based on the C1G2 MM3 Chip.

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