

ALR-F900

Industrial UHF Fixed Reader



- EPCglobal UHF Class 2 Gen2 / ISO18000-6C
- Qualcomm MSM8909
- 1GB DDR3 RAM (Up to 2GB)
- 8GB eMMC (Up to 16GB)
- LTE, Wi-Fi, Bluetooth



Fast reading



Various COM



PoE



FOTA update

FEATURES

PERFORMANCE SPECIFICATIONS

CPU	Qualcomm MSM8909
OS	Android 7.1
Memory	1GB DDR3 RAM (Up to 2GB) 8GB eMMC (Up to 16GB)

PHYSICAL SPECIFICATIONS

Dimension	137.9(172) x 137.4 x 29.7(34.2) mm
Weight	484g (without Antenna)
Power	DC 12V

DATA CAPTURE

Protocol	EPCglobal UHF Class 2 Gen2 / ISO18000-6C
Frequency	916.8 ~ 920.8MHz(Japan)
Max TX Power	1W EIRP

LTE COMMUNICATION

LTE FDD	B1 / B3 / B8 / B18 / B19 / B26 Max 150Mbps (DL)/Max 50Mbps (UL)
LTE TDD	B41 Max 130Mbps (DL)/Max 35Mbps (UL)
WCDMA	B1 / B6 / B8 / B19 Max 384Kbps (DL)/Max 384Kbps (UL)
Output Power	Class 3 (23dBm±2dB) for LTE
Protocol	TCPIP / PPP / FTPS / HTTP / HTTPS
Certification	Carrier : SoftBank, NTT DOCOMO, KDDI Regulatory : JATE, TELEC

* Product specifications and design are subject to change without notice.
(Product Development In Process)

INTERFACE

GPIO	Optically isolated 2 inputs, 2 outputs.
Communications	USB 2.0, ETHERNET 10/100 (RJ45)

WIRELESS COMMUNICATION

WLAN	2.4G/5G, 802.11 a/b/g/n
Bluetooth	BT2.1+EDR/3.0/4.1LE (BT4.2 on Android 7)

PoE (Built-in)

PoE(PD) Input Voltage	42.5~57V
PoE(PD) Current	0.3125A (MAX)
PoE(PD) Power	15W (MAX)
POE(PD) Standard	IEEE 802.3 at Compliant (Type-2)
Ethernet	10BaseT/100BaseTX

ADDITIONAL FEATURES

Notification	LED Indicator (Antenna, PWR, Read, CPU, Wi-Fi, LTE)
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ANTENNA

4 SMA monostatic port,
circular or linear polarization
near and far field compatible