

ALR-F900

Industrial UHF Fixed Reader

- Ultra function Industrial UHF Fixed Reader.
- High speed read rate (800tags/sec)
support various application in the field.
- Various wireless communication helps easy control
and data communication in various environments.
- PoE (Built-in)
- Field upgradable/updatable.



Smart LTE Cat 4
Max 150Mbps (DL)
Max 50Mbps (UL)



Android 7.1



USB 2.0 High Speed
Interface



IEEE 802.11
a/b/g/n



ALR-F900

Industrial UHF Fixed Reader

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)
---------------------	--

ANTENNA

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

