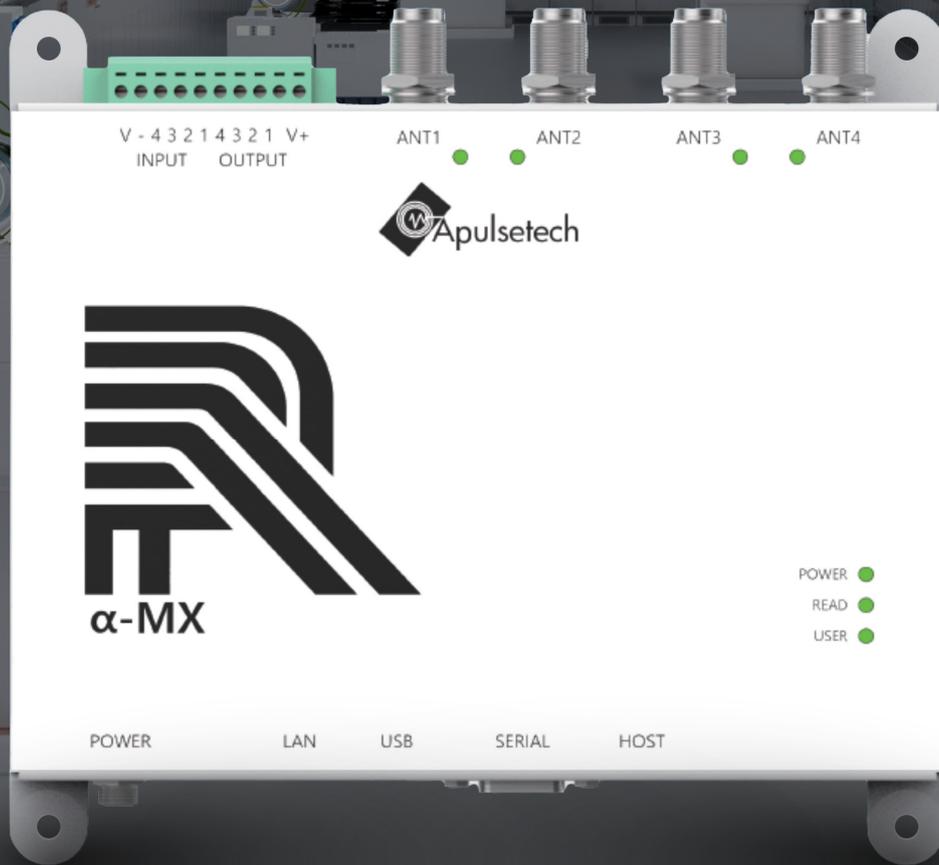# α-MX Fixed RFID Reader

RFID UHF Fixed Reader

- Enterprise-Grade 4-port UHF RFID Reader
- 2 W High-Power Transmission
- High-Performance MCU
- High-Speed Reading Performance (Over 1,000 tags per second)
- Low Power Consumption
- USB HOST Function Support

4-Port UHF
Stable Reading

Up to 10 M
Reading Range

1,000 tags/sec
Fast Reading

Low-Power
Operation

SPECIFICATION

RFID SPECIFICATIONS

Standards Supported	EPC Class1 Gen2 / ISO 18000-63
Frequency	860 ~ 930 MHz (Customizable)
Read Rate	1,000+ tags/sec
Read Range	10+M / 33+ft.
TX Power	10 ~ 33 dBm (MAX.) Enable Power Control by 1 dB step
Current Consumption	1A (peak) at the 33 dBm Scan mode 0.8A (peak) at the 30 dBm Scan mode

COMMUNICATIONS

Antenna Ports	4 RP-TNC
Network	10/100/1000 BASE-T Ethernet
USB	Type-C: USB 2.0 Virtual COM Port USB-A: Host
Serial	RS232
GPIO	4 Inputs / 4 Outputs
Bluetooth	Bluetooth Version 5.4 USB Dongle (Optional)
Wi-Fi	2.4GHz Wi-Fi USB Dongle (Optional)

ACCESSORIES

Standard	AC/DC adapter (12V/3A), LAN Cable (2M)
Optional	USB Wi-Fi Dongle, USB BT Dongle, PoE+ Spliter

MECHANICAL SPECIFICATIONS

Dimension	180 (W) x 167.3 (L) x 30 (H) mm
Weight	600 g / 21.16 oz
Mounting	Two removable brackets
Housing Material	Aluminum
Notiffication	LED and Buzzer
LED Indication	Power, Data, User, ANT1~4, Network

POWER SUPPLY SPECIFICATIONS

Standard	DC 12V / 3A Adapter
Optional	PoE (802.3af), PoE+ (802.3at)

USER ENVIRONMENT

Operating Temp.	-20°C ~ 55°C
Storage Temp.	-30°C ~ 85°C
Humidity	5% ~ 95% (non-condensing)
Dust & Water Proof	IP50

*Some features are optional and must be selected upon purchase.

*All Features and specifications described are subject to change without notice.