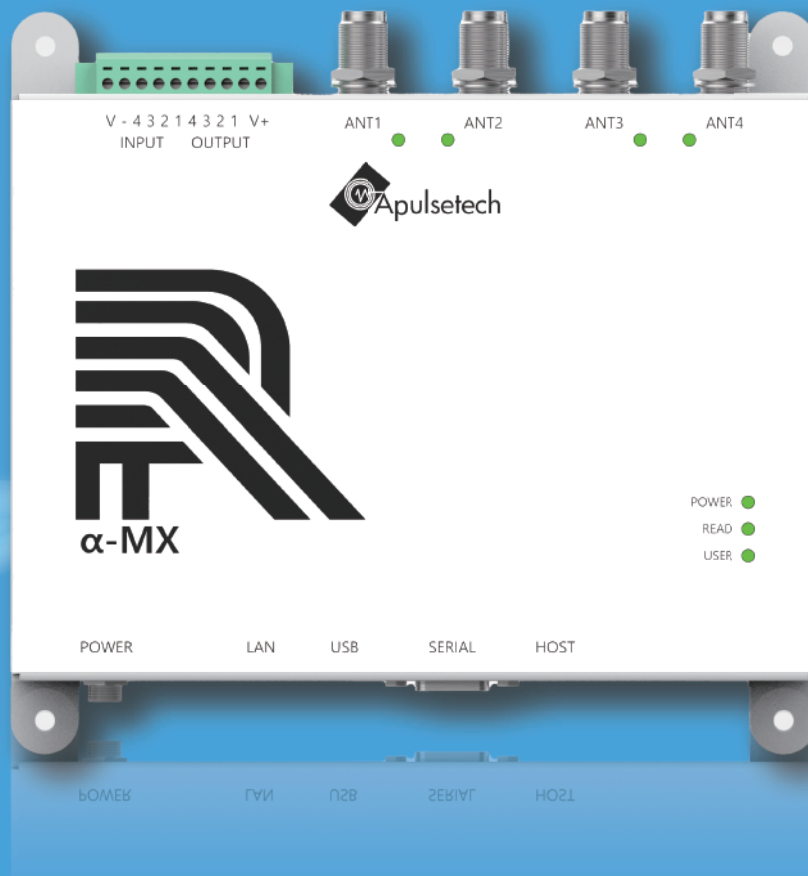
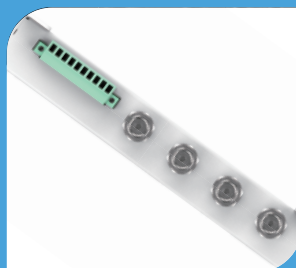


α-MX Fixed RFID Reader



DETAIL



CHARACTERISTICS

- Enterprise-grade 4-Port UHF RFID READER
- 2W High Output Power
- High-performance MCU
- Fast Reading Speed (1,000+ tags per second)
- Low Power Consumption
- USB HOST functionality



ITEM DISCRIPTION

The α-MX Reader provides enterprise-grade 4-Port UHF RFID solution that delivers high performance and supports several IoT interface.

- High Output Power and High Performance : Supports optimal long-range tag reading with up to 2W RF output.
- Powerful Data Processing Capability : Utilizes a high-performance MCU and expanded memory to support various embedded applications, enabling fast and accurate tag data reading.
- Fast Reading Speed : Capable of reading more than 1,000 tags per second, suitable for applications requiring fast tag reading, such as logistics, smart transportation systems, and sports or event management.
- Low Power Consumption : Designed for low power usage, reducing heat generation, cutting operational costs, and being environmentally friendly.
- Diverse IoT Interfaces : Supports various accessories through abundant peripherals and USB HOST functionality.

PERFORMANCE AND ENVIRONMENTAL CHARACTERISTICS

RFID READER SPECIFICATIONS	Standards Supported	EPC Class1 Gen2/ ISO 18000-63	MECHANICAL SPECIFICATIONS	Dimensions	180mm(W) x 167.3mm(L) x 30mm(H)
	Frequency	860 – 930MHz (Customizable)		Weight	600g / 21.16oz
	Read Rate	1000+ tags/sec		Mounting	Two removable brackets
	Read Range	10+m / 33+ ft.		Housing Material	Aluminum
	TX Power	10~33dBm (max.) Enable Power Control by 1dB step		Notification	LED and Buzzer
	Current Consumption	1A(peak) at the 33dBm Scan mode 0.8A(peak) at the 30dBm Scan mode		LED Indicators	Power, Data, User, ANT1~4, Network
COMMUNICATIONS	Antenna Ports	4 RP-TNC	POWER SUPPLY SPECIFICATIONS	Standard	DC 12V / 3A Adaptor
	Network	10/100/1000 BASE-T Ethernet		Optional	PoE (802.3af), PoE+ (802.3at).
	USB	Type-C : USB 2.0 Virtual com port USB-A : Host	ENVIRONMENT SPECIFICATIONS	Operating Temp.	-20℃ to 55℃
	Serial	RS232		Storage Temp.	-30℃ to 85℃
	GPIO	4 Inputs / 4 Outputs		Humidity	5% ~ 95% non-condensing
	Bluetooth (Optional)	Bluetooth Version 5.4 USB Dongle		Sealing	IP50
ACCESSORIES	WIFI (Optional)	2.4GHz WiFi USB Dongle	-	-	-
	Standard	AC/DC adapter(12V/3A), LAN Cable(2m)			
	Optional	USB WiFi Dongle, USB BT Dongle, PoE+ Splitter			

APPLICATION EXAMPLE

Retail management	Factory management / Asset management
Products anti-counterfeiting detection, parking control system, attendance management, library	