Seuic

AUTOID UF40 Linux AI

4-Port Fixed RFID Reader

Supports GEN2X AI



Key Advantages

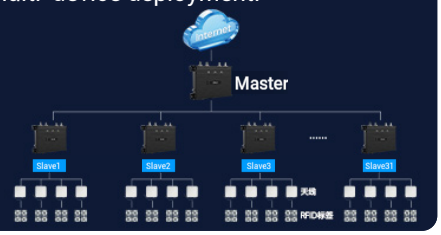
AI-Powered

·1 TOPS AI computing power
·Integrated with DeepSeek for smart troubleshooting
·One-click smart tuning, 100% higher deployment efficiency



Intelligent Networking

·Readers autonomously form a network, with only the master device connected to the host for configuration. Slave devices automatically sync with the master, greatly simplifying multi-device deployment.



Easy Deployment

·PoE power support, no external power supply required
·12–48V wide voltage input for stable industrial operation



Reliability & Durability

·Dustproof, waterproof, and vibration-resistant design
·Online firmware upgrades for easy maintenance

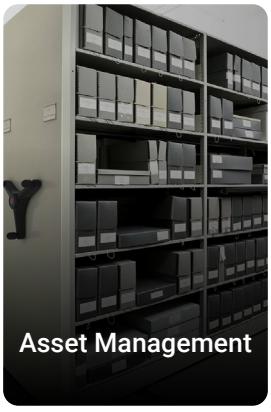


Application Scenario











AUTOID UF40 Linux AI Specifications

Label protocol	EPC Class1 Gen2/ EPC Class1 Gen2X/ ISO18000-6C
Operating Frequency	860MHz - 930MHz (adjustable according to different national or regional requirements)
Output Power Range	1-33dBm adjustable
Power Adjustment Step	1dB
Maximum Receiver Sensitivity	-87dBm (Gen2 protocol) -93dBm (Gen2X protocol)
Maximum Reading Rate	Up to 1300 tags / second
Reading Distance	>10m (30dbm,9662 white card, outdoor open environment, 9dBiC circularly polarized antenna)
Writing Performance	>5m (30dbm,9662 white card, outdoor open environment, 9dBiC circularly polarized antenna)
CPU	Cortex ™- A53 quad core 2.0 GHz
Operating System	Linux 5.4
Storage	2GB+32GB
Communication Protocols	TCP/IP, RS232, WIFI (2.4G/5G dual - band, IEEE802.11a/b/g/n/ac)
Interfaces	RP - TNC*4、WIFI、DC 12 - 48V、USB 2.0*2、 RJ45 (1000M/100M/10M adaptive)、RS232(DB9 Female), Debug interface、system reset
Input/Output	Supports multiple GPIO, 4 inputs, 4 outputs; Output: Output1: relay output, rated load 30V/1A, Output2—4: GPIO self-powered, voltage equal to input voltage, rated current: 0.75A; Input: optocoupler isolated, supports external power supply mode, maximum support 48V, minimum 4V
Power Supply	12 - 48VDC, standard adapter 24V/2A, supports POE power supply
POE	Supports IEEE802.3-AT and IEEE802.3-AF protocols (using 3m Cat5e cable, 803.af power supply, can carry load ≥13W; 803.at power supply, can carry load≥ 25W)
Power Consumption	≤1.5A (24V power supply)
Environmental Characteristics	Operating temperature: -20°C to +60°C; Storage temperature: -25°C to +80°C; Operating humidity: 5% ~ 95%RH, non - condensing
Ingress Protection Rating	IP54
Dimensions	230*150*32mm
Weight	≤1160g (bare machine) ≤1850g (packaged)

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