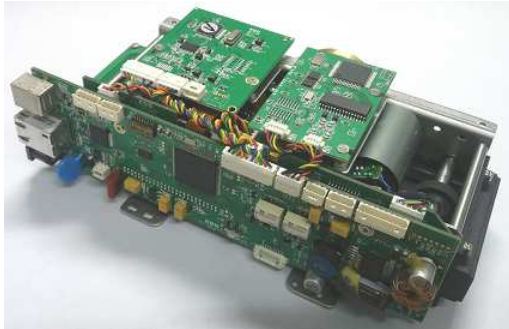


Motorized Reader/Writer – ES1F-4902 Series

ES1F-4902 is a motorized slim type MS, IC and RF Card Reader/Writer with RS232, USB and LAN interfaces that encode/decode data on triple tracks of MS cards in accordance with ISO 7811. IC card supports T=0 protocol, T=1 and IC card in accordance with ISO 7816 and EMV protocol. RF card supports Mifare, TYPE A&B, ISO 15693, Ultra Light, ICODE1. This mechanism offers accurate and efficient card encoding for hotel keycard issue, kiosks, payment systems, etc.



Features

- Magnetic Stripe Card Reader/Writer
- IC Contact Card Reader/Writer
- RF Card Reader/Writer (13.56Mhz)
- T=0, T=1 Protocol (default) / Customized Protocol Available
- EMV Level 1
- Write Lo-Co / Hi-Co
- Easy to upgrade firmware



Applications

- Door lock systems
- Parking lot systems
- Highway tollgate systems

Item	Specifications	
Card Standard	MS (mag stripe)	ISO 7811
	IC (contact)	ISO/IEC7816-3:1997
	RF (contactless)	ISO 14443A, 14443 B & 15693
Power	AC: 110~220V, 50~60Hz	
Communication Interfaces	RS232 / USB / LAN	
Life Time	Mag Head	Min. 2,000,000 cycles
	IC Contacts	Min. 700,000 contacts
Feeding Speed	280mm / sec \pm 20%	
Environment	Operating	-10~70°C / 0~90%RH
	Storage	-20~80°C / 0~90%RH
Dimensions	110.3(W) x 203.0(D) x 63.2(H) mm	



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