FR-32P

FR-32P
32-channel Isolated Digital Input Module

Functional description

The FR-32P has 32-channel isolated digital input. Not like traditional digital I/O board, the FR series I/O module has an FRnet interface. It can be used as a distributed remote I/O module or a MagicWire module. The user should select the correct setting when using these functions. The user can daisy chain several FRnet modules together. Via FRnet, the FRnet modules can extend the remote I/O of PC, PAC, µPAC and PLC easily. Further information about the networking of FR-32P, refer to our I-7188EF, I-8172 , FRB-100/200.

Features

- Built-in FRnet interface
- Real I/O synchronization
- Innovative token-stream technology
- Support Broadcasting
- Real Deterministic Control
- Fixed Scan time: 256 points @ 2.88 ms
- Each bank consists of 8 input channels and has its own ground reference
- ASIC design without CPU
- Memory-map I/O
- No protocol and no software overhead
- Easy Programming and OS-independent
- Din-rail mounting
- Two-Wire Cabling
- Jumper setting
- Interface circuit

Applications

- Factory Automation
- Building automation
- Energy management
- Agriculture automation

Specifications

- Communication speed: 250K bps
- Communication distance: 400m max
- Number of channels: 32
- Digital Logic Level
  Input low voltage: 0 ~ +/-1V
  Input high voltage: 3.5 VDC ~ 30 VDC
  Input impedance: 3K; 1/4W
  Response time: 1 KHz max
- Power Requirement: 10~30V
- Wire cable: CPEV 0.9S (2P Twisted-pair wire)
- Power consumption: 24V@140mA(max)
- Operating temperature: -25°C ~ +75°C
- Operating humidity: 10% ~ 90% RH, non-condensing
- Storage temperature: -30°C ~ +85°C
- Storage humidity: 5% ~ 95% RH, non-condensing
- Dimensions: 173 mm x 117 mm

Ordering Information

FR-32P	32-channel Isolated Digital Input Module