

METATRONIX

Innovative Intelligent Transport Systems

Certified System
IATF 16949
Automotive



L3-MSwitch

L3-MSwitch è uno switch Ethernet Managed di layer 3 progettato specificatamente per il mercato automotive che permette di gestire la LAN di bordo per la connessione di tutti i dispositivi ITS, come sistemi informatici di bordo, e-ticketing, P.I.S., video- sorveglianza, ecc.

Progettato per l'ambiente ferroviario ed adattato per il trasporto su gomma, è conforme ai più rigorosi test standard Automotive e ed ai più severi requisiti di conformità EMC.

Il sistema di gestione della rete supporta vari protocolli di rete e standard di settore, come routing statico, RIP, VRRP, NAT, STP/RSTP/MSTP, ERPS, 802.1Q VLAN, funzione QoS, server DHCP, IGMP Snooping, LLDP, port trunking, port mirroring, ecc.

Possiede anche funzioni di gestione complete, configurazione delle porte di supporto, statistiche sulle porte, binding IP delle porte, controllo degli accessi, autenticazione 802.1X, diagnosi di rete, configurazione rapida, aggiornamento online, ecc.; Possono essere supportati CLI, WEB, Telnet, SNMP, SSH e altri metodi di accesso.



Tecnologia

Standards	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow Control, IEEE 802.1D for Spanning Tree Protocol, IEEE 802.1w for Rapid Spanning Tree Protocol, IEEE 802.1s for Multiple Spanning Tree Protocol, IEEE 802.1Q for VLAN, IEEE802.1p for CoS, IEEE 802.1X for 802.1X Authentication, IEEE 802.1AB for LLDP, IEEE 802.3af for PoE, IEEE 802.3at for PoE+, ITU-T G.8032 for ERPS
Management	SNMP v1/v2c/v3 Centralized Management of Equipment, RMON, Port Mirroring, QoS, LLDP, DHCP Server, File Management, Port Statistics, Log Information, Static ARP, PoE Management
Security	Classification of User Permissions, NAT, 802.1X Authentication, DHCP Snooping, Radius Server Authentication, Port Alarm, Power Alarm, Storm Suppression, SSHD Configuration, Telnet Configuration, Loop Detection, Link Flapping Protection, Aggregation Protection
Switch Function	802.1Q VLAN, Port Trunking, Bandwidth Management, Flow Control, Port Isolation
Unicast / Multicast	Static Multicast, Multicast Routing, IGMP-Snooping, PIM-SM, PIM-DM
Troubleshooting	Ping, Traceroute, Port Loopback
Routing Technique	VRRP, RIP, OSPF
Time Management	NTP
Interface	8x 100M PoE M12: 10/100base-T(X), M12 (Female), 4-Pin D-Coded, auto flow control, full/half duplex mode, MDI/MDI-X auto detection; Up to 30W PoE power supply output for each port. 4x Gigabit M12: 10/100/1000Base-T(X), M12(Female), 8-Pin X-Coded, Automatic Flow Control, Full/half Duplex Mode, MDI/MDI-X Autotuning; it supports two groups of Bypass 1x Console port: CLI command line management port (RS-232), M12(Female), 4-Pin D-Coded
Indicator	Power indicator, alarm indicator, running indicator, interface indicator, PoE indicator
Switch Property	Transmission mode: store and forward, MAC address: 16K, Packet buffer size: 12Mbit, Backplane bandwidth: 128G, Switch time delay: <10µs
Power Supply	Power supply range: 24VDC (10~36VDC), Key signal. Connection method: M12(Male), 4-Pin A-Coded Connection protection: anti-reverse connection
Environment	Operating temp.: -40~75°C, Storage temp.: -40~85°C Relative humidity: 5%~95% (no condensation)
Physical	Housing: IP67 protection, metal Dimension (W x H x D): 178mm×104mm×92mm Weight: 1.57kg
Standard	IEC 61000-4-2 (ESD, electrostatic discharge), Level 4 IEC 61000-4-4 (EFT, electrical fast transient pulses), Level 3 IEC 61000-4-5 (Surge), Level 3 Shock: IEC 61373 Free fall: IEC 60068-2-32 Vibration: IEC 61373
Certifications	CE, FCC, RoHS, E-Mark, IEC61373

* L3-MSwitch è in corso di certificazione ITxPT

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MADE IN ITALY

INTELLIBUS
FLEETWEB