

24 Port Rackmount L2 Managed Gigabit Switch, IESMGR 3020-4GC Hi



- 20*Gigabit RJ45 ports + 4*Giga Combo (SFP) ports
- SNMP v1 v2 v3, WEB, Telnet, SSH, Console
- Support standard IP/ Extend IP / MAC IP / ARP ACL
- 802.1x Port based, MD5/TLS/TTLS/PEAP Encryption
- EAPS (Ultra high speed recovery time < 20 ms), RSTP/STP/MSTP
- L2 MAC Address 8K, Switching capacity 48G
- Dual 100 to 240VAC Input and Relay output
- -20 to 60°C wide-range operating temperature

The IESMGR 3020-4GC series is designed for Industrial applications. It can operate reliably in extremely harsh environments. Designed with 20 Gigabit ports and 4 Gigabit SFP ports (Combo), it provides abundant and flexible connection. It contains Surge protection to ensure system stability and Relay Alarm outputs for better reliability.

Hardware Specifications

RAM : 256Mbit
Flash Memory : 32Mbit
Switching capacity : 48G
Packet Buffer Memory : 4.1Mbit
Throughput / Forwarding Capacity : 35.7Mpps

Standards : IEEE 802.3, 802.3u, 802.3x, 802.3z, 802.1D, 802.1w, 802.1p, 802.1Q, 802.1X, 802.3ad, 802.3ab
LAN : 10/100/1000Base-T (X), 1000Base-SX/LX/LHX/XD/ZX/EZX
Distance : Ethernet : Up to 100 m (4 wire Cat.5e, Cat.6 RJ45 cable for Gigabit port)
: SFP : Depends on SFP

Transmission Speed

Gigabit Copper : 10/100/1000 Mbps, Auto-Negotiation
Gigabit Fiber : Up to 1000 Mbps

Interface Connectors

20 * RJ45 (Ethernet)
4 * Giga Combo Ports (SFP)
2 * 5-pin removable Screw terminal (Power)
2-pin removable Screw terminal (Relay)

LED Indicators : RJ-45: Link/Activity, SFP : Link/Activity, PoE : On/Off
Console : RS-232 (RJ45)

Mechanical

Enclosure : IP30, Metal enclosure with Rack-mounting kits
Dimensions : 442 x 44 x 352 mm
Mounting : 1U, 19" Rack mount

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Power

Power Input : Dual 90 to 264VAC. Optional 88 to 370VDC
: Single 12 to 57V DC
Power Consumption : 20W @ 110VAC
Alarm : Relay Output on P2 fail

Protection

Surge protection : Power: CM / DM 8/20us 3KA
RJ45 : CM / DM 10/700us 6KV
Reverse Polarity : Present
Overload Current : Present

Environment

Operating Temperature: -20 to 60°C
Storage Temperature : -20 to 70°C
Operating Humidity : 10 to 95% (non-condensing)
Storage Humidity : 10 to 95% (non-condensing)

L2 Features

L2 MAC Address : 8K
Jumbo Frame : 16KB
ACL Table : 512
VLAN Interface : 32
VLAN Group : 4093 (VLAN ID 1~4093)
VLAN : Mac based VLAN, Protocol based VLAN, IP subnet based VLAN, Port based VLAN, GVRP
Port Mirroring : Per port, Multi-source port
IP Multicast : IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave
Storm Control : Broadcast, Multicast, Unknown unicast
Spanning Tree : IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, EAPS

Security

Port Security : Static, Dynamic
Authentication : 802.1x (Port-Based), RADIUS, TACACS+
ACL : Standard IP/ Extend IP / MAC IP / ARP ACL
Advanced Security : IP Source Guard

Management

DHCP : Relay, Option82
Access : SNMP v1 v2 v3, WEB, Telnet, RMON, Standard MIB, Private MIB
Security Access : SSH
Software Upgrade: TFTP, HTTP
NTP : NTP client

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QoS

Priority Queue Scheduling : WRR (Weighted Round Robin), SP (Strict Priority)
Class of Service : IEEE 802.1p based CoS, IP TOS, DSCP based CoS
Rate Limiting : Egress Rate limit, Ingress Rate limit
Link Aggregation : IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking
Port Ques : 8

Certification tested for

Safety : CE-LVD	EN 61000-4-6
EMI : CE FCC EN55022 Class A	EN 61000-4-8
EMS : EN 61000-4-2,	Shock : IEC 60068-2-27
EN 61000-4-3	Freefall : IEC 60068-2-32
EN 61000-4-4	Vibration : IEC 60068-2-6
EN 61000-4-5	

Ordering Information : IESMGR 3020-4GC A/D Hi

IESMGR : Base Model for 19" Rack-mount L2 Giga Managed Switch
3020 : 20 * Giga Copper ports
4GC : 4 * Giga Combo (SFP) Ports
A/D : A : Universal 90 to 264V AC / 88 to 370V DC. D : 12 to 57V DC
: AC Input is Dual & DC Input is Single
Hi : Fixed

Note : SFP to be ordered separately