



52-Port L2+ Fully Managed Switch with 48 Gigabit Ports and 4 SFP+ Uplinks

Layer 2+/Layer 3 Lite, 4 x 10G SFP+ Open Slots, IEEE 802.3az Energy Efficient Ethernet, SNMP, QoS, VLAN, ACL, 19" Rackmount

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52-port Gigabit Ethernet Layer 2+ Managed Switch with Four 10G Uplinks - intelligent and secure edge connectivity, ideal for small and medium enterprise networks

This 48 + 4 Layer 2+ Gigabit Switch is a high-performance SNMP-managed device that provides users with 48 10/100/1000 Mbps Ethernet and 4 additional 10G SFP+ ports. The Web/SNMP management provides remote control capability for flexible network management and monitoring options. Whether managed through an "in-band" SNMP management station or an Internet Web browser, this Intellinet Network Solutions Gigabit switch facilitates network administration and problem diagnosis. It can also be trunked, providing a link up to 40G to another switch.

Flexible Network Management

The Intellinet Network Solutions 52-Port Web-Managed Gigabit Ethernet Switch is easy to use and manage, having been designed to increase business productivity by reliably supporting business applications. It features a Web-based GUI and supports SNMP, RMON and Telnet. The impressive list of features includes, but is not limited to, ACL management, sophisticated QoS-related settings, port mirroring, integrated IP-connectivity tools, logging, MAC filtering, RADIUS authentication, Port aggregation and detailed port rate configuration options.

10 Gigabit Ethernet (IEEE 802.3ae)

Equipped with four 10G SFP+ open slots, this switch is the ideal solution for cost-sensitive organizations considering 10 Gigabit Ethernet. With 10G technology going mainstream and becoming ever more popular, the need for additional bandwidth has become more urgent than ever - even in smaller networks. Whether you wish to connect servers, network-attached-storage units or NVRs at 10 Gbps, or even simply connect to another gigabit switch without resorting to LACP techniques, 10G provides the solution. And in case you are not quite ready for 10G just yet, it will happily take standard 1G SFP transceiver modules until the time is right for you to make the switch.

How our PoE scheduling saves you energy

As part of our Self-Healing Networks suite, our managed switches are not only capable of providing high power but also of controlling the power supply efficiently. The "PoE scheduling" function allows you to turn on or off the PoE power for each PoE port at specific time intervals. Turning off devices like IP phones and access points outside of office hours helps your enterprise reduce its energy costs and protect the environment.

Features:

- 48 10/100/1000 Mbps auto-sensing ports that automatically detect optimal network speeds
- Four small-form-factor pluggable 10G SFP/SFP+ module slots
- Domotz compatible for cloud management
- Supports VLAN (tag-based and port-based)
- All RJ45 ports with Auto-MDIX and NWay auto-negotiation support
- Complies with the IEEE 802.3az (Energy Efficient Ethernet EEE) specification
- Green Ethernet power-saving technology that deactivates unused ports and adjusts power levels based on the cable length
- Switch fabric of 176 Gbps
- SNMP Management and Remote Monitoring (RMON)
- IPv4/v6 dual protocol
- Supports link aggregation (trunking)
- IGMP Snooping for multicast filtering
- Supports bandwidth control per port
- Supports port mirroring
- Supports two types of QoS: CoS and DSCP
- Broadcast storm control with multicast packet rate settings
- Supports jumbo frames up to 12 kBytes
- Supports Rapid Spanning Tree/Spanning Tree protocol
- Store and forward switching architecture
- Full/half duplex operation
- IEEE 802.3x flow control for full duplex

For more information on Intellinet products, consult your local dealer or visit www.intellinet-network.com.

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- Supports 32k MAC address entries
- Buffer memory of 16 Mbit
- Configuration via Web browser or RJ45 console port
- LEDs for power, link/activity, connection speed and system (Run)
- Grounding point to protect equipment from external electrical surges
- Fanless design, ideal for silent operation
- Includes 19" rackmount brackets
- Fully NDAA-compliant
- Three-year warranty

Specifications:

Standards

- IEEE 802.1d (Spanning Tree Protocol)
- IEEE 802.1p (Traffic Prioritization)
- IEEE 802.1q (VLAN Tagging)
- IEEE 802.1w (Rapid Spanning Tree Protocol)
- IEEE 802.3ad (Link Aggregation)
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3ab (Twisted Pair Gigabit Ethernet)
- IEEE 802.3ae (10 Gigabit Ethernet over fiber)
- IEEE 802.3az (Energy Efficient Ethernet EEE)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3x (flow control, for full-duplex mode)

General

- Media support:
 - 10Base-T Cat5e UTP/STP RJ45, 8 pin
 - 100Base-TX Cat5e UTP/STP RJ45, 8 pin
 - 1000Base-T Cat5e UTP/STP RJ45, 8 pin
- MAC address table: 32k
- Buffer memory: 16 Mbit
- Forwarding rate: 130.944 Mpps
- Backplane speed / switch fabric: 176 Gbps
- Switch architecture: store and forward
- Configuration options:
 - Port link speed: 10 Mbps, 100 Mbps, 1000 Mbps or auto-negotiation
- Flow control on/off per port
- PoE Scheduling
- VLAN
- Rate Limiting (ingress rate and egress rate)
- Port Mirroring, one-to-one or many-to-one
- Port Aggregation/LACP: 16 groups
- Broadcast Storm configuration with broadcast rate, multicast rate, and flooded unicast rate
- IGMP Snooping
- Access management filtering: SNMP, HTTP, HTTPS, SSH, TELNET Quality of Service (QoS): CoS or DSCP
- Link Layer Discovery Protocol (LLDP)
- Integrated ICMP Ping client sends ping requests to other network nodes
- SNMPv1/v2c/v3 (Simple Network Management Protocol)
- RMON (1, 2, 3 and 4 groups)
- DHCP: Client/Option82/Snooping
- LAN settings (IP address, Gateway, etc.)
- Energy Efficient Ethernet (EEE)
- SSHv2
- Certifications: FCC, CE, RoHS, UKCA, NDAA

LEDs

- Power
- Link/activity
- 10/100 Mbps or 1000 Mbps

Note: When certain SFP modules are populated, activity LED is automatically activated

Buttons

- Reset

Power

- Input: 100.0 - 240.0 VAC, 50 - 60 Hz, internal power supply
- Power consumption: 48.0 watts (maximum)

Physical

- Metal housing

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- Dimensions (L x W x H): 330 x 440 x 44 mm (13.03 x 17.32 x 1.73 in.)
- Net weight: 5 kg (11.02 lbs.)
- Gross weight: 6 kg (13.23 lbs.)

Environmental

- Operating temperature: 0 - 45°C (32 - 113°F)
- Storage temperature: -40 - 70°C (-40 - 158°F)
- Operating humidity: 10 - 90% RH, non-condensing
- Storage humidity: 5 - 90% RH, non-condensing

Package Contents

- 52-Port L2+ Fully Managed Switch with 48 Gigabit Ports and 4 SFP+ Uplinks
- Power cable
- Instructions
- 19" rackmount brackets



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