

Intellinet 54- Port L3 Fully Managed PoE+ Switch with 48 Gigabit Ethernet Ports and 6 SFP+ Uplinks



Model: 562041

Manufacturer: INTELLINET

EAN: 766623562041

Product Code: 1457494

R30,439

Layer 3 switch with dynamic IP routing, a massive 850 W PoE power budget and six 10G Uplinks
L3 Switch for Next-Level Switching

The Intellinet Network Solutions 54-Port L3 Fully Managed PoE+ Switch with 48 Gigabit Ethernet Ports and 6 SFP+ Uplinks provides excellent network management and communication to fit your mix of devices, existing media and speed requirements. It features 48 x 10/100/1000 Mbps PoE+-capable ports, an available power budget of 850 W, six 10G/1G-capable SFP+ ports, a switching capacity of 216 Gbps, and a range of great Layer 2 and Layer 3 features. Its dynamic IP routing solution includes OSPF, RIP and VRRP, which makes it ideal for enterprise networks. It offers

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convenient configuration via a Web browser (among others) and is Domotz-compatible for easy cloud management.

Layer 2, Layer 2+, Layer 3 Lite and Layer 3 explained

This Layer 3 switch gives you the most feature-rich options, but what separates it from the other types? The main difference between Layer 2 and Layer 3 switches is the routing function. An L2 switch only operates on MAC addresses, not on IP addresses or anything on higher layers, while an L3 switch can do all that plus static and dynamic routing. Consequently, a Layer 3 switch has a MAC address table and an IP routing table, handling communication within a VLAN and between different VLANs. A compromise between both are L2+ switches (also known as Layer 3 Lite) that only support static routing. Besides routing packets, Layer 3 switches also have functions that require understanding the IP address information of the data entering the switch, such as assigning VLAN traffic based on IP address instead of manually configuring a port.

Power over Ethernet 802.3at

Supporting the IEEE 802.3at protocol, this switch is designed to inject up to 30 watts of power per port*. IEEE802.3af or IEEE802.3at compliant devices attached to the switch require no additional power, which eliminates the time and expense of electrical rewiring and minimizes the unsightly clutter of power supplies and adapters on ceilings and walls. Any mix of PoE and non-PoE devices is supported, and thanks to its short circuit, overload and high-voltage protection function, your equipment is well-protected. For devices that are not 802.3at/af compliant (legacy wireless access points or network cameras), we suggest the use of an Intellinet Network Solutions PoE/PoE+ Splitter.

10 Gigabit Ethernet (IEEE 802.3ae)

Equipped with six 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 is more urgent than ever, even in smaller networks. Whether you wish to connect servers, network-attached-storage units or NVRs at 10 Gbps, or simply connect to another gigabit switch without using LACP techniques, 10G provides the solution. If you are not quite ready for 10G, this switch's SFP slots accept standard 1G SFP transceiver modules until the time is right for you to make the change.

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Complete IPv6 Support

IPv6 management and SMB features like MLD Snooping, SSH, ACL, WRR and RADIUS authentication help you enter the IPv6 era at the lowest cost, without upgrading your hardware.

Self-Healing Network with increased reliability and stability - Intellinet Powered Device Monitor (PDM)
This Power over Ethernet switch is equipped with Powered Device Monitoring, a self-healing PoE function. This PoE watchdog performs a PD alive check on all connected PDs and automatically resets unresponsive devices, such as PoE security surveillance cameras, by cutting off and then restoring power. The PDM function is especially useful in applications where connected devices are critical to network operation, such as in industrial or surveillance settings. As an added benefit, the PD Alive function helps eliminate unnecessary technical support calls and costly field trips by field-support engineers because the functional reboot can often bring the unresponsive device back online.

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.

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