

Managed Switch Features and Terms



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Frequently Used Terms and Functions of Intellinet Managed Switches

The following list contains terms and definitions for some of the functions that frequently appear in the User Manuals of Intellinet Managed Switches. For additional information on functions, please contact us at [Technical Support](#).

Bandwidth Control

The ability to limit inbound, outbound or all network traffic at a specific port of the switch.

Broadcast Storm Control

Storm control and equivalent protocols allow you to rate-limit broadcast packets.

Broadcast storm control is a feature of many managed switches in which the switch intentionally ceases to forward all broadcast traffic if the bandwidth consumed by incoming broadcast frames exceeds a designated configurable threshold.

Link Aggregation

The ability to link multiple ports into one logical interface to increase bandwidth.

Loopback Detection

Allows the switch to detect loops in the network (multiple connections from one device to another). When a loop is detected on a port, the switch will display an alert on the management interface and block the traffic on the corresponding port.

MAC Address Forwarding

The ability in Layer 2 networking to control network traffic based on MAC address within VLANs.

Mirroring

The ability to duplicate inbound, outbound or all network traffic from one port to another.



PoE

Power over Ethernet; a technique for delivering DC power to devices over copper Ethernet cabling, which eliminates the need for separate power supplies and outlets. Current standards are IEEE802.3af/at and bt.

PDM

Powered Device Monitoring, a function that restarts any connected PoE device that fails to respond or send out network traffic (configurable on Intellinet Network Solutions Managed Switches).

PoE Scheduling

The ability to schedule the availability of PoE at each port of the switch on a day/time basis.

Spanning Tree Protocol (STP)

Another form of loopback discovery and protection based upon the IEEE802.1D standard.

VLAN

A Virtual Local Area Network; allows network admins to maintain a virtual network to optimize devices attached to the switch for better overall performance.



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