



Application Note

What is an Intelligent Switch?

Keywords

10Base, 100Base, 1000Base, Application, Ethernet, Gigabit, Switch, VS-2300, VS-2600

Summary

Fiberdyne's *Intelligent* Ethernet switches (VS-2300 and VS-2600) are high-performance and flexible, managed switches. Available fiber ports are 100Base or Gigabit. 1000Base-T is available. And, the VS-2600 combines the best features of the VS-2300 with those of our Modular Switch, VS-3320.

Scenario

Customers are seeking managed switches for security purposes. Additionally, they want more flexibility and more fiber-connectivity options.

Question

Do we have a managed switch and, if so, what are its key features?

Notes/Answer

Yes, our Intelligent switches are managed; *they have a brain*. A managed switch has features above and beyond our Office Ethernet (e.g. VS-1200/1600) switches. A significant reason, for managed switches, is network security, which includes the ability to remotely monitor and control the switch. These managed switches also retain address information for faster routing. Note: since our switch has an RS-232 Console port, it can be managed via telephone modem, too.

Key Features: (for full details, reference the product specs on the Fiberdyne website)

- Up to 24-ports of 10/100Base-TX (RJ-45) or 100Base-FX (multimode or single-mode)
- Up to two ports of 1000Base-T/SX/LX (Gigabit Ethernet)
- Management by web browser, SNMP, Telnet, RS-232 Console/Serial Modem
- VLAN, QoS, Spanning Tree, port-trunking, RMON, IP multicasting (IGMP), flood control and GVRP
- 19-inch rack-mountable (1U high) or standalone
- Worldwide power capable: 100-240 VAC, 50/60 Hz

Special Features: VS-2600 – *Modular Intelligent Switch*

- 10/100Base ports assembled in 8-port modules; the switch accepts up to 3 modules
- The 10/100Base-TX module has eight RJ-45 connections
- The 100Base-FX modules have eight SC or ST connections (multimode or single-mode)