VOLKTEK
Optical Ethernet Experts

NSH-9309
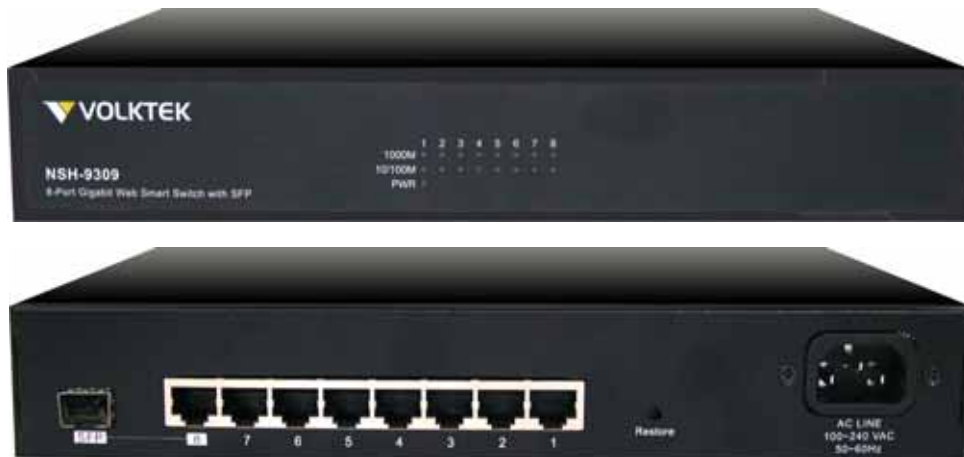8-Port Gigabit Ethernet Web Smart Switch with 1-Port Mini-GBIC

Product Introduction & Benefits

Easily boosting your networking throughput, **NSH-9309** provides you eight 10/100/1000Mbps Gigabit Ethernet ports that lead you to a real gigabit connection. Users are now able to transfer high bandwidth-demanded files faster and get a real efficiency improvement with the user-friendly Web-based management interface. This product also equips one mini GBIC slot for your flexible fiber connection. Use of the mini-GBIC port disables the connection of its corresponding copper port automatically.

The management functionalities provide efficient network usage. VLAN reduces the collisions from widely broadcasting. Port Aggregation enlarges the bandwidth of backbone connection. QoS is supported to secure the bandwidth for some bandwidth-demanded applications including VoIP or videoconference. The 802.3x and backpressure flow control mechanisms are also supported to ensure the correctness of data transmitting.

Main Features:

- 8 fixed 10/100/1000Mbps Gigabit Ethernet ports for easy network connecting application.
- Equips one SFP slot for optional fiber connection.
- Provide Auto-discovery Function for easy Network management.
- Provide 8K MAC address entries and 8 active VLANs
- Support Port Mirroring
- Support up to 7 ports and 4 groups port aggregation.
- Support QoS function, port base, tag base, DSCP priority
- Support Storm filter
- Support full duplex flow control and half duplex back pressure
- Store-and-forward forwarding scheme
- Error packet filtering
- Support Jumbo frame 9K bytes
- Support 180K bytes buffer Memory
- Support Web-based management interface
- Firmware upgradeable
- FCC Class A, CE, VCCI, RoHS compliant

FCC Class A   CE Approval

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8-Port Gigabit Ethernet Web Smart Switch with 1-Port Mini-GBIC

Specifications:

- **Standards:**

  IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.1q, IEEE802.1p and IEEE802.3x standards

- **Interface:**

  8 * 10/100/1000 Mbps RJ-45 ports

  1* SFP(mini-GBIC) slot

- **NWay Auto-Negotiation:**

  Network speed: 10 / 100 / 1000Mbps

- **Protocol Support:**

  10Mbps: Full/Half duplex

  100Mbps: Full/Half duplex

  1000Mbps: Full duplex

- **MAC Address Table:**

  8K entries

- **Packet Buffer:**

  180KB

- **Rich LED indicators:**

  1* Power (green)

  8*10/100M LINK/ACT (solid green/blinking green)

  8* 1000M Link/ACT (solid green/green blinking)

- **Operating Temperature:**

  -5~55   (23~131   )

- **Operating Humidity:**

  10% ~ 90% (non-condensing)

- **Dimension / Net weight:**

  265 x 183 x 44 mm / 1.31 kg

- **Power Supply:**

  Internal Power Supply

  100~240VAC/50~60Hz universal input

- **Emissions:**

  FCC Class A, CE, VCCI Class A

Ordering Information:

NSH-9309:	**GBM-104-10:**
8-Port 10/100/1000Base-T + 1-port mini-GBIC Web Smart Switch	Mini GBIC, 1.25G SFP-type Single-mode, 3.3V – 10km
	GBM-104-30*:
GBM-104:	Mini GBIC, 1.25G SFP-type Single-mode, 3.3V – 30km
Mini GBIC, 1.25G SFP-type Multi-mode, 3.3V - 500m	

* Longer distances available by request, call for details.

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