

CNSH-1601

16-Port Fast Ethernet Switch with One Fiber Port

Best Network Solution for Small and Medium Businesses

Especially designed for small and medium businesses, CNSH-1601 offers multiple purposes and advanced functions to satisfy heavy load demands and help administrators to efficiently manage network-shared data.

CNSH-1601 offers an optional fiber-optic cable port with an SC type connector. Nowadays, fiber-optic cabling is most frequently used for backbone connectivity to ensure network security and to enlarge transmission distance up to 2km.

In addition, each 10/100Mbps port is equipped with built-in Auto-MDI/MDI-X and Auto-negotiation function to automatically adjust between straight-through and crossover cables and detect and determine for the widest possible bandwidth. Equipped with an internal power adapter, CNSH-1601 delivers reliable, hassle-free and Play-&-Play installation and great bandwidth expanding availability as well as the user-friendly management features to optimize network performance.

KEY FEATURES

- Advanced Flow-control and Broadcast Storm Control
 - Support QoS, and up to Four Trunk Groups
 - Support Port-based Home VLAN and Bridging Capability
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- 16 Independent Bandwidths with 10Mbps – 200Mbps Capability
 - All TP Ports Support Auto-negotiation Capability to Intelligently Detect and Determine between 10/100Mbps and Half-/Full-duplex
 - All Ports Support Auto-MDI/MDI-X to Facilitate Installation and Troubleshooting
 - Full Wire Speed Store-and Forward Technology Instantly Eliminates Bad Packets
 - Support IEEE 802.3x Flow-control for Full-duplex and Back Pressure Flow-control for Half-duplex to Prevent the Overflow of Data Frame
 - Broadcast Storm Control Prevents Blocked Traffic and Improves Access to Network Resources
 - Support Port-based Home VLAN to Allow Home Networks to Share a Common Server or Router
 - Bridging Capability for 100Mbps and 10Mbps Segments and up to Four Trunk Groups
 - Support Address Learning and Aging Time Setting Functions (about 300 sec.)
 - Support QoS Function on Each Port, Based on 802.1p/802.1Q VLAN Tag priority and TCP/IP Header's TOS/DS
 - Easy-to-Understand LEDs Display Real-time Traffic Status to Monitor and Diagnose the Network
 - Desktop Size with Rack Mounting Capability and an Internal Power Adapter

SPECIFICATIONS

Models	CNSH-1601
Standards	<ul style="list-style-type: none">• IEEE 802.3: 10BASE-T• IEEE 802.3u: 100BASE-TX/100BASE-FX
Advanced Features	<ul style="list-style-type: none">• IEEE 802.3x: Flow-control• IEEE 802.1p• IEEE 802.1Q
Ports	<ul style="list-style-type: none">• 15 ports: 10BASE-T/100BASE-TX• One Fiber port: 100BASE-FX

Media Support	<ul style="list-style-type: none"> • 10BASE-T: Category 3, 4 or 5 TP • 100BASE-TX: Category 5 TP • 100BASE-FX: 62.5/125 μm Multi-Mode Fiber cable
Bandwidth	<ul style="list-style-type: none"> • 10BASE-T: 10/20Mbps via Auto-negotiation • 100BASE-TX: 100/200Mbps via Auto-negotiation • 100BASE-FX: 100/200Mbps via DIP-switch
Forwarding/Filtering Rate	<ul style="list-style-type: none"> • 14881 packets/second per port @ 10Mbps, maximum • 148810 packets/second per port @ 100Mbps, maximum
Latency	<ul style="list-style-type: none"> • 67 μsec @ 10Mbps, minimum • 8.5 μsec @ 100Mbps, minimum
Duplex Modes	<ul style="list-style-type: none"> • Full-duplex and Half-duplex via DIP- switch on Fiber port • All TP ports support Auto-negotiation and Auto-MDI/MDI-X functions
Switches	<ul style="list-style-type: none"> • Two for Home VLAN setting • Four for Trunk setting
LED Indicators	<ul style="list-style-type: none"> • One LED displays Power status • One LED per port displays Link/ACT status • One LED per port displays Full-Duplex or Collision (Half-duplex) status • Two LEDs display Home VLAN status • Four LEDs display Trunk Group status
Power Supply	<ul style="list-style-type: none"> • Internal full range switching power supply • Input voltage: 100 ~ 240 +/-10%V AC, 50/60 Hz
Power Consumption	<ul style="list-style-type: none"> • 9.9W maximum
Environment	<ul style="list-style-type: none"> • Operating Temperature: -20° ~ 70°C (-4° ~ 158°F) • Storage Temperature: -40° ~ 80°C (-40° ~ 176°F) • Humidity: 10% ~ 90% Non-condensing
Certifications	<ul style="list-style-type: none"> • FCC, CE, TUV
Dimensions	<ul style="list-style-type: none"> • 250 x 150 x 43mm (9.8 x 5.9 x 1.7 inches)