VIP-NET-0448-1G

Gigabit Network Switch – 48 Port 1000Base-X SFP, 4 Port 1000Base-T w/10 Sub-cards (optional)

The **VIP-NET-0448-1G** is a Gigabit network switch with (48) 1000Base-X SFP fiber and (4) 1000Base-T ports designed for use with PureStream IP Video solutions to provide simple and flexible network management. The **VIP-NET-4804-1G** combines many important features for reliable A/V over IP distribution including, such as IGMP, Jumbo Frame, VLAN, as well as the ability to link multiple switches.

Key Features

- Purpose-built for high reliability and performance
- Various port types and flexible port expansion
- 24 or 48 port CAT or Fiber models
- Support for L2+ management, QoS with ARP learning, DHCP snooping, VLAN, IGMP, and Jumbo Frames
- Wirespeed replication of multicast packets
- SNMP, RMON, Web NMS, and Telnet
- Optional 10G sub-cards for linking multiple switches together

GENERAL TECHNICAL SPECIFICATIONS

FIXED PORT	48*1000 Base-X SFP ports 4*10/100/1000 Base-T combo ports 1*Console port
EXTENDED SLOT	2*10G extended slot (Rear panel)
10G SUBCARD	1*10G SFP+ subcard 2*10G SFP+ subcard
SWITCHING CAPACITY	280Gbps
PACKET FORWARDING CAPACITY	131Mpps
POWER CONSUMPTION	<60W
INPUT VOLTAGE	AC:110~240V/50~60Hz
OPERATING ENVIRONMENT	Operating temperature: 0ºC~50ºC Relative humidity: 5%~95% (non-condensing)
DIMENSIONS	440(L) x 285(W) x 44.5(H) mm
WEIGHT	<4Kg

VIP-NET-0448-1G Gigabit Network Switch

SERVICE FEATURE

STANDARDS	IEEE 802.3ad, Link Aggregation IEEE 802.3, 10Base-T IEEE 802.3u, 100 Base-TX IEEE 802.3ab, 1000 Base-T IEEE 802.3z, 1000 Base-X IEEE 802.3ae, 10Gb/s Ethernet IEEE 802.3x, Ethernet flow control IEEE 802.1AB-2005, LLDP (Link Layer Discovery Protocol) IEEE 802.1d, Spanning Tree Protocol IEEE 802.1w, Rapid Spanning Tree Protocol IEEE 802.1s, Multiple Spanning Tree Protocol IEEE 8021q, VLAN IEEE 802.1p, QoS
MAC ADDRESS	32K MAC addresses MAC address learning and aging
VLAN	4K VLANs Port-based VLANs VLAN assignment based on MAC addresses, protocols, and IP subnets
SPANNIGN TREE	STP (Spanning Tree Protocol) RSTP (Rapid Spanning Tree Protocol) MSTP (Multiple Spanning Tree Protocol)
LINK AGGREGATION	Max 26 aggregation groups, each supports 8 ports Static aggregation and dynamic aggregation
PORT MIRRORING	Many-to-one port mirroring
RELIABILITY	ERPS (G.8032)
FLOW RATE LIMITATION	Rate limiting on packets sent and received by an interface
IP ROUTING	Static Routing
MULTICAST	IGMP v1/v2/v3 snooping and IGMP fast leave MVR (Multicast VLAN Registration)
DHCP	DHCP Server/Client DHCP Snooping DHCP Relay
SECURITY	Binding of the IP address, MAC address, interface Port isolation 802.1 x authentication AAA authentication, RADIUS authentication SSH v2.0 User privilege management and password protection
MANAGEMENT AND MAINTENANCE	SNMP v1/v2c/v3 and RMON Remote configuration and maintenance using Telnet Web NMS System logs and alarms of different levels