

# VIP-NET-0815-10G

10G Media Hub – 8 Port 1000Base-T Ports, 15 Port 10G SFP+ w/ optional Dual Redundant Power



The **VIP-NET 10G** Series of A/V over IP network switches provides flexible CAT and Fiber connectivity based on a new generation of PureStream IP Video solutions. Along with IGMP snooping, Jumbo Frame, VLAN, and L2+ management, the 10G Series allows multiple units to be interconnected using the optional 10G slot card to create A/V matrix systems. The VIP-NET Series 10G switches are purpose-built to provide effective 10G connections to 10G-capable servers and NAS (Network Attached Storage) systems, working reliably with PureLink’s various VIP transmitter (encoders) and receivers (decoders).

The **VIP-NET-0815-10G** is a 10-Gigabit network switch with (8) 1000Base-T and (15) dedicated 1000Base-X SFP+ fiber ports designed for use with PureStream IP Video solutions to provide simple and flexible network management. The VIP-NET-0815-10G combines many important features for reliable A/V over IP distribution including, IGMP, Jumbo Frame, VLAN, as well as the ability to link multiple switches.

## Key Features

- Purpose designed switches for high reliability and performance AV over IP systems
- Various port types and flexible port expansion
- 15 x 10G SFP+ ports, 8 x 1000Base-T CAT ports
- L3 management, QoS with ARP learning, DHCP snooping, VLAN, IGMP, Jumbo Frame and more
- Wirespeed replication of multicast packets
- SNMP, RMON, Web NMS, and Telnet
- Dual redundant, swappable power supplies

## Technical Specifications

### FIXED PORTS

(15) 10G SFP+ ports  
 (8) 1000Base-T ports  
 (1) Console port  
 (1) Management port

### SWITCHING CAPACITY

320Gbps

### PACKET FORWARDING CAPACITY

238Mpps

### 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 802.3ba, 40/100Gb/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

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	IEEE 802.1q, VLAN IEEE 802.1p, QoS
MAC ADDRESS	128K MAC addresses MAC address learning and aging
VLAN	4K VLANs Port-based VLANs
SPANNING TREE	STP (Spanning Tree Protocol) RSTP (Rapid Spanning Tree Protocol) MSTP (Multiple Spanning Tree Protocol)
LINK AGGREGATION	Max 16 aggregation groups
PORT MIRRORING	Many-to-one port mirroring
RELIABILITY	ERPS (G.8032) VRRP
IP ROUTING	Static Routing RIPv1/v2 OSPFv2 BGP
IPV6 ROUTING	Static route
MULTICAST	IGMP v1/v2/v3 snooping and IGMP fast leave Multicast VLAN
DHCP	DHCP Server/Client DHCP Snooping DHCP Relay
QOS	Rate limiting on packets sent and received by an interface Eight queues on each port SP, WRR queue scheduling algorithms
SECURITY	Binding of the IP address, MAC address, interface Port isolation IP ACL, MAC ACL on hardware 802.1x 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
INPUT VOLTAGE	AC:110~240V/50~60Hz, Two swappable power supply modules
POWER CONSUMPTION	<100W
OPERATING TEMPERATURE	32°F ~ 122°F (0°C ~ 50°C)
RELATIVE HUMIDITY	5%–95% (non-condensing)
PRODUCT DIMENSIONS	17.48”(L) x 16.73”(W) x 1.75”(H) (444 x 425 x 44.5mm)
PRODUCT WEIGHT	< 17.64lbs (< 8kg)

## Warranty

### WARRANTY

Limited Warranty (3-Years)