



## Overview

As the number of services using internet communication such as broadband internet, internet phone, and IPTV is increasing, the need for high performance network equipment is increasing. This is not an exception in areas where population density is low and where there are few subscribers. You can plan more effectively in terms of the cost of network deployment.

The V5816 is a compact GPON OLT system with 16 GPON ports, four 1G / 10GBase-R ports for uplinks, and four 1000Base-T ports, making it suitable for low-density and FTTx services at low cost.

The V5816 supports Gigabit ports and is applicable to a variety of network environments. In addition, the redundant configuration of the power supply is realized, and the network system is not interrupted, ensuring stable service.

## Specifications

### KEY FEATURES

- 168 Gbps switching capacity
- 16 GPON ports, 4 10GE ports and 4 GE (Electric) ports
- Reliable FTTx service with power redundancy system
- Enhanced QoS services
- IGMP support for IPTV
- Fully Managed via Dasan's INAS Element Manager
- Increased reliability through power redundancy

- Comfortable network management with SNMPv2 / v3 and RMON

## DIMENSIONS

### Size (W x H x D)

- 440 x 44 x 300mm

## POWER

### Input Power

- AC type : 100-240VAC, 50/60Hz
- DC type : -48/60VDC

## INTERFACES

### Service Ports

- 16 GPON(SFP, SC/PC type)

### Uplink Ports

- 4 GE Electric Port [100/1000Base-T (RJ45)]
- 4 1G/10GBase-R (SFP+) ports

### MGMT Ports

- 1 100/1000Base-TX (RJ45)

### Console Port

- 1 Console (RS232)

### External Port

- 1 USB2.0

## PROTOCOL SUPPORT

### Layer 2

- Standard Ethernet bridging
- Port/Subnet/Protocol-based VLAN
- Spanning Tree: STP, RSTP, MSTP
- 802.3ad Link aggregation based on MAC
- Flow Control

### Layer 3

- L3 Host(IPv4/IPv6) 1.5K/768
- Static routing
- 1K L2 Multicast

### Multicast

- IGMPv1/v2/v3
- IGMP snooping
- IGMP filtering and throttling
- Multicast VLAN Registration (MVR)

### GPON

- ITU-T G.984 compliant
- Supports ITU-T G.984.4 ONT Management & Control Interface (OMCI)
- Remote ONT/ONU management
- Automatic ONT ranging
- 4k port-ID and 1k alloc-ID

### Security

- Secure Shell (SSH) v1/v2
- 802.1x RADIUS, TACACS+ authentication
- Storm Control

### MANAGEMENT

- Serial / Telnet (CLI)
- SNMPv1/v2/v3
- DHCP server, relay agent with option82

- Remote Monitoring (RMON)
- Syslog, Port Mirroring

## OPERATING REQUIREMENTS

### Operating Temperature

- -20~60°C

### Humidity

- 0~90% (non-condensing)