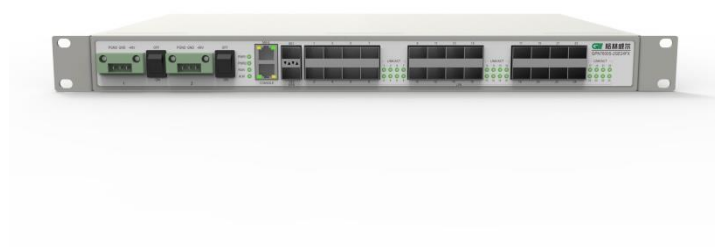


GPN7600S

Overview

GPN7600S is small central office equipment, which has various functions like protection, OAM, QoS, synchronize and so on. It provides different choices for customers.



Features

◎Integration

19 inches chassis with 6 slots include 2 service module, 1 main control module, 2 power supply module and 1 fan module. 1U and supports up to 24 light directions. Support ring network, satellite network, and chain network. It supports 24 channels of FE / GE, or 16 FE / GE + 32E1 simulation at most.

◎Packet core

Support standard MPLS-TP or IP / MPLS dual-core block design. Support forwarding based on MPLS and PTN/IPRAN network access.

◎Security

Support 1+1 power supply backup. Support 1+1 protection of single module port and support protection of cross-module. All modules are hot swappable. Support LAG protection types of ring and chain. Support G.8131/G.8132 (Liner packet network/Ring protection switching protocol) and G.8031/G.8032 (Ethernet liner/Ring protection switching protocol).

◎Various OAM machine

Support protocol of IEEE 802.3ah, 802.1ag, Y.1731/TP1731, MPLS-TP and IP/MPLS



and so on. Support RFC2544 performance testing and loopback testing.

◎Synchronize with high precision

Support IEEE1588 V2 clock synchronize and Ethernet synchronize. Main control module supports a 2M clock interface and a 1PPS+TOD clock interface to meet the needs of high precision of 3G and LTE services.

◎Convenient management

Provide unit network management port-to-port. Service module supports network management without configuration. Provide a “console” interface and an extra network management interface. Network management supports the upgrade function to local device and remote device.

Technical specifications

Technical specifications			
Slot number	6	Service module number	2
Main control module	1		
Fan module	1	Power supply module	2
Physical specifications			
Dimension(mm) (W*D*H)	482.6*260*44.4		
Environment	Working temperature: 0°C~50°C Storage temperature: -20°C~+70°C Humidity: 95%(non-condensing)		
Weight	Rack frame: ≤5kg; Overall: ≤20kg		
Power consumption	≤100W		
Power supply	AC220V and DC -48V		
Packet performance			
MPLS processing capability	Establish ways: static LSP Protection: 1 + 1 or 1: 1 MPLS Tunnel APS		
PWE3 processing capacity	Service Type: TDM PWE3 (CES) services and ETH PWE3 services Establish ways: PW Protection: 1 + 1 or 1: 1 PW APS Support PW OAM, compliance with ITU-T G.8113 standard.		

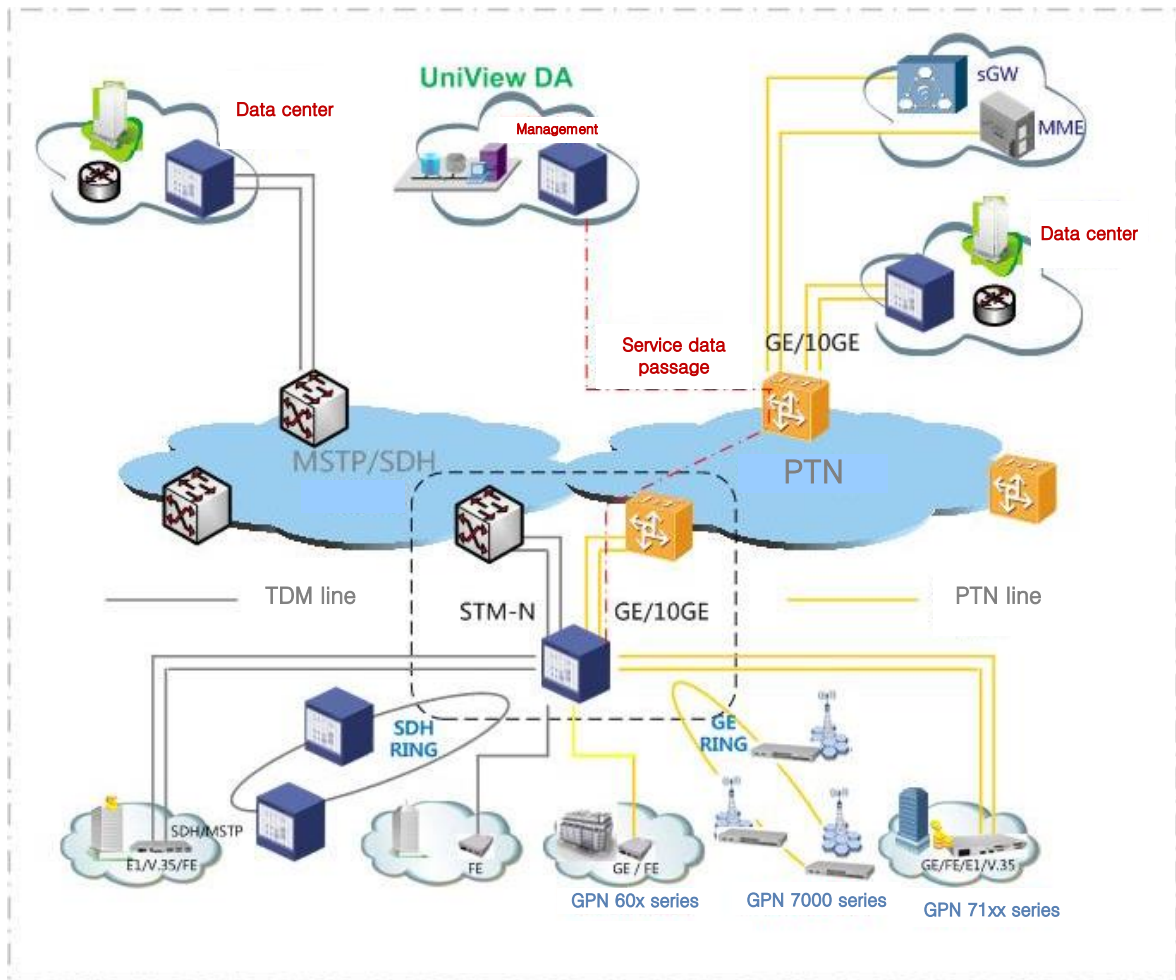


Protection	Support LAG and TRUNK
Synchronize	Support G.8261 and G.8262 Port receive/transmit synchronous Ethernet clock: GE / 10GE Supports input / output SSM message Clock frequency stability (tracking mode): Less than 50ppb
OAM	MPLS OAM: include Tunnel OAM and PW OAM
	ETH OAM: © IEEE 802.1ag OAM Provide management of OAM maintenance point, CC (Continuity Check), LB (Loopback) and LT (Link Trace). © IEEE 802.3ah OAM Provide link performance monitoring, fault detection, remote loopback, loopback testing and loopback port blocking.
QoS	.DiffServ: Support of QoS based on packet information (including CVLAN priority, SVLAN priority and DSCP value) and PHB service. Complex traffic classification: support classification under the CVLAN ID, SVLAN ID, CVLAN priority, SVLAN priority, CVLAN ID + CVLAN priority, SVLAN ID + SVLAN priority, and packets DSCP. Support CAR and specified PORT. Queue scheduling: SP / WRR / SP + WRR
Measurement	Support RFC2544, Y.1731/MPLS TP Y.1731, and PW ping/PW trace/LSP ping/LSP trace.

Ordering information

Product information		Description	Part number	Support/Remark
GPN7600S setup	Must be equipped	Frame	GPN7600S	Small capacity
		Main control module	NUM	
		Power supply module	PWU-DC	-48V
	PWU-AC		220V	
	Optional	Fan module	FAN	Replaceable
Packet switching module	Optional	4*GE optical	4*GE	GPN600 and GPN700
E1 Simulation module	optional	16*E1 electric	16*E1	E1 service interface equipment

Applications



GPN7600s is the extension of aggregation network and designed for access network. GPN7600s can match aggregation network whatever the condition it is. It can provide flexible multi-service based on MPLS-TP or IP/MPLS for customers.