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Introduction

Inotech V1600G series GPON OLT products are 1U height 19 inch rack mount products. The features of the OLT are small, convenient, flexible, easy to deploy, high performance. It is appropriate to be deployed in compact room environment. The OLTs can be used for "Triple-Play", VPN, IP Camera, Enterprise LAN and ICT applications.

V1600G1

V1600G1 provides 8GE(copper) and 8SFP(6*1GE+2*10GE) slots independent interface for uplink, and 8*GPON OLT ports for downstream. It can support 1024 ONUs under 1:128 splitter ratio.

Technical Specifications

Item		V1600G1
Chassis	Rack	1U 19 inch standard box
1000M Uplink Port	QTY	16
	Copper 10/100/1000M auto-negotiation	8
	SFP 1000M，Duplex (independent)	6
	SFP+ SFP+ is 10GE (independent)	2

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GPON Port	QTY	8
	Physical Interface	SFP Slot
	Connector Type	Class B+/C+
	Max splitting ratio	1:128
Management Ports		1*10/100BASE-T out-band port, 1*CONSOLE port
PON Port Specification	Transmission Distance	20KM
	GPON port speed	Upstream 1.244G, Downstream 2.488G
	Wavelength	TX 1490nm, RX 1310nm
	Connector	SC/PC
	Fiber Type	9/125μm SMF
	TX Power	+1~+5dBm
	Rx Sensitivity	-28dBm
	Saturation Optical Power	-8dBm
Management Mode		SNMP, Telnet ,CLI,WEB
Management Function		Fan Group Detecting; Port Status monitoring and configuration management; Layer2 switch configuration such as VLAN, Trunk, RSTP,IGMP,QOS, etc; GPON management function: DBA,ONU authorization, ACL, QOS, etc; Online ONU configuration and management; User management; Alarm management.
Layer2 Switch		16K Mac address Support 4096 VLANs; Support port VLAN and protocol VLAN; Support VLAN tag/Un-tag ,VLAN transparent transmission; Support VLAN translation and QinQ; Support storm control based on port Support port isolation Support port rate limitation Support 802.1D and 802.1W; Support static LACP;

	QOS based on port, VID, TOS and MAC address; Access control list; IEEE802.x flow control; Port stability statistic and monitoring.
Multicast	IGMP snooping 256 IP Multicast Groups;
DHCP	DHCP server DHCP relay DHCP snooping
Layer 3 Route	Arp proxy Static route 1024 hardware Host Routes; 512 hardware Subnet Routes;
GPON Function	Tcont dba; Gemport traffic In compliant with ITUT984.x standard; Up to 20KM transmission Distance; Support data encryption, multi-cast, port VLAN, separation, RSTP, etc; Support ONU auto-discovery/link detection/remote upgrade of software; Support VLAN division and user separation to avoid broadcast storm; Support power-off alarm function, easy for link problem detection; Support broadcasting storm resistance function; Support port isolation between different ports; Support ACL and SNMP to configure data packet filter flexibly; Specialized design for system breakdown prevention to maintain stable system; Support RSTP,IGMP Proxy.
Dimension(L*W*H)	442mm*200mm*43.6mm
Weight	3.1kg

Power Supply	220VAC	AC:90~264V, 47/63Hz	Double Power Module Hot Backup
Power Consumption		25W	

Operating Environment	Working Temperature	-10~+55℃
	Storage Temperature	-40~+85℃
	Relative Humidity	5~90%(non-conditioning)