


CYIENT



GIGABIT PASSIVE OPTICAL NETWORK (GPON) TERMINALS

Cyient's GPON technology products offer an excellent mix of quad-play services (voice, data, video, and Wi-Fi). The Element Management System (EMS)/Local Craft Terminal (LCT) from C-DOT compliments the GPON solution with the ease of provisioning, monitoring, and management of the complete network and its elements. It delivers a downstream data rate of 2.5 Gbps, and an upstream data rate of 1.25 Gbps, on a single fiber over a distance of up to 60 km.

ONT TechSpecs

Specifications		C01-ONT	C02-ONT	C03-ONT	C04-ONT	C05-ONT	C07-ONT	C09-ONT
Voltage supply		Input 160-270V AC \pm 50 Hz, with external AC-DC adaptor						
		12V DC						
Power Consumption		Approx. power consumption is 22W	Maximum power consumption is 20W	Maximum power consumption is 17W	Approx. power consumption is 20W	Approx. power consumption is 15W	Maximum power consumption is 20W	Maximum power consumption is 17W
Interfaces supported	POTS Ports (Voice)	2	2	1	2	1	2	2
	Gigabit Ethernet	4+1	4	4	4	2	4	2
	USB	2	2	1	-	1	2	1
	WiFi	2	1	1	1	1	1	-
	RF	-	-	1	-	-	-	-
Compliance to ITU-T G.984x GPON standards		Y	Y	Y	Y	Y	Y	Y

OLT TechSpecs

Specifications		CA-OLT	CB-OLT	CC-OLT
Dimensions		19" rack 2200mm height	19"x1U	9.3"x11.6"X1U
Voltage supply		-48V DC or 220V AC \pm 50 Hz, with external AC-DC adaptor		
Average Power Consumption			120W	90W
Bandwidth		2.5 Gbps downstream at 1490nm 1.25 Gbps upstream at 1310nm Optional RF Transmission at 1550nm	2.5 Gbps downstream at 1490nm 1.25 Gbps upstream at 1310nm	2.5 Gbps downstream at 1490nm 1.25 Gbps upstream at 1310nm
Maximum distance covered		60km		
Designed for application		Designed for City-wide deployment	Compact portable design for Campus, Hotels, Commercial complex	Ultra compact portable design for Office complexes
PON Ports		4	8	4
Expandable		Upto 96	N	N
SCM Card		2	N	N
Quad Port		1	N	N
ONTs supported		12288	1024	512
Interface	10GbE Optical	6	2	2
	1GbE Optical/ Electrical towards SNI	6	4	1
Compliance to ITU-T G.984 GPON standards		Y	Y	Y

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