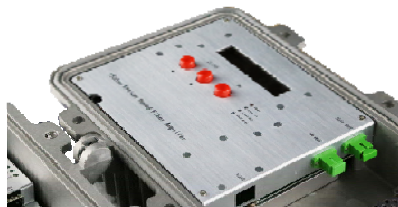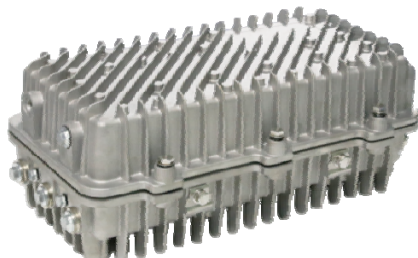# FD1104Y-ED2204

CHON Outdoor type EPON OLT& EDFA

CHON is a series of products integrated with OLT and EDFA. It meets the technical requirements of China MII and SARFT's for EPON and EDFA. The exquisitely designed equipment is flexible for deployment in outdoor cabinet, corridor and pole mounting, etc. It can simplify network design, reduce engineering cost and accelerate the process of fiber access.

FD1104Y-ED2204 OLT part provides 4GE optical interface for uplink, 4 EPON ports for downstream. And provide EDFA management port, Built-in 220VAC power module, support Dual power supply configuration.

It can support 256 ONU under 1:64 splitter ratio. The OLT can use for "Triple-Play", CPN, IP Camera, Enterprise LAN and IOT applications. It is a high performance products.

▮ OLT Specifications

Item		Parameter
Uplink Port	QTY	4
	SFP	4GE optical interface
PON Port	QTY	4
	Physical Interface	SFP Slots
	Connector Type	1000BASE-PX20+
	Max splitting ratio	1:64
Management Ports		1*10/100/1000Mauto-negotiable outband port 1*CONSOLE port
PON Port Specification（Apply to C-Data PON module）	Transmission Distance	20KM
	PON port speed	Symmetrical 1.25Gbps
	Wavelength	1490nm TX,1310nm RX
	Connector	SC/PC
	Fiber Type	9/125μm SMF
	TX Power	+2～+7dBm

	Rx Sensitivity	-30dBm
	Saturation Optical Power	-6dBm
Management Mode		SNMP, Telnet, CLI management mode.
Management Function		Port Status monitoring and configuration management; Layer-2 switch configuration such as Vlan, Trunk ,RSTP,IGMP ,QOS, etc; EPON management function: DBA ,ONU authorization, ACL ,QOS ,etc; Online ONU configuration and management User management Alarm management
Layer-two Switch		Support port VLan and protocol Vlan Support Vlan tag/Untag ,vlan transparent transmission; Support 4096 VLAN Support 802.3dd trunk Support RSTP Support QOS based on port ,VID,TOS and MAC address Support IGMP Snooping Support 802.x flow control Support Port stability statistic and monitoring
EPON Function		Support port-based rate limitation and bandwidth control; In compliant with IEEE802.3ah Standard Up to 20KM transmission Distance Support data encryption, group broadcasting, port Vlan separation, RSTP, etc. Support Dynamic Bandwidth Allocation (DBA) Support ONU auto-discovery/Link detection/remote upgrade of software; Support VLAN division and user separation to avoid broadcast storm; Support various LLID configuration and single LLID configuration .Different user and different service could provide different QoS by means of different LLID channels. 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 dynamic distance calculation on EMS online Support RSTP,IGMP Proxy
Power Consumption		35W

EDFA Specification

ITEM	Parameter
Output Power (dBm)	22dBm
Input Power (dBm)	-3～10
Wavelength (nm)	1540～1560
Optical Output Stability (dB)	≤±0.3
Polarization Sensitivity (dB)	≤0.2
Polarization Dispersion (PS)	≤0.5
Optical Return Loss(dB)	≥45
Optical Connector	SC/APC,1 input and 4 output
Noise Figure (dBmV)	≤5.2(0dBm optical input)
Management Interface	SNMP (RS232 via OLT)
Power Consume(W)	45

Other

ITEM		Parameter
Dimension		400*245*165
Weight		8Kg
Power Supply		220VAC：AC: 90V～240V，47/63Hz
Operating Environment	Working Temperature	-20～65℃
	Storage Temperature	-40～85℃
	Relative Humidity	5～90%(non-condensing)