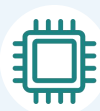


*EPON ONU**1GE****FD511G-E-F690***

High Speed CPU



Low Power Consumption



Optional Shell Supply



Software Customization

Brief Views

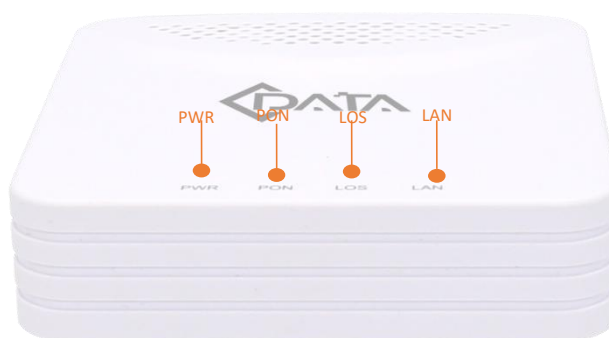
FD511G-E-F690 EPON ONU is passive optical network terminal produced by C-Data for broadband access market based on EPON technology. It's are used together with EPON OLT to provide a complete broadband access solution.

FD511G-E-F690 features high-performance forwarding capabilities to ensure excellent experience with Internet. It has good third-party compatibility to work with the third party OLT, such as Huawei/ZTE/Fiberhome/Alcatel-Lucent. It provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

Functional Feature

- In compliant with IEEE802.3ah
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support multiple registration methods
- Support port VLAN configuration
- Support mac-address learning
- Support port-based rate limitation and bandwidth control
- Support port flow-control
- Support broadcasting storm resistance function
- Support igmp transparent/snooping/proxy mode
- Support Dynamic Bandwidth Allocation (DBA)
- Support three layer routing function
- EMS network management based on SNMP ,convenient for maintenance
- Support power-off alarm function ,easy for link problem detection

Product Interface and LED



LED Definitions

Indicator		Description
PWR	Power status	On: The ONT is power on; Off: The ONT is Power off;
PON	ONT Register	On: Success to register to OLT; Blinking: In process of registering to OLT; Off:Failed to register to OLT or no normal optical signal input;
LOS	EPON optical signals	On: Optical power lower than receiver sensitivity; Off: Optical in normal;
LAN	LAN port status	On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up;

Hardware

● EPON Port

- SC/APC single mode single fiber
- EPON: 1000BASE-PX20+ symmetric
- EPON: 1.25Gbps downstream/upstream
- Wavelength :
Transmit: 1310nm Receiver: 1490nm
- Receiving sensitivity :
EPON: -27dBm
- Saturated power :
EPON: -3dBm
- Transmitting power :
EPON:0~4dBm

● User Port(LAN)

- 1*10/100/1000 M Auto-negotiation RJ45 ports
- Full Duplex / Half-Duplex
- RJ45, Auto-MDI/MDI-X
- Transmission Distance 100 Meter

- **Indicators**

- PWR / PON / LOS / LAN

- **Power**

- External 12V/0.5A DC power supply adapter
- Power consumption: <3W

- **Dimension and Weight**

- Item Dimension:
- 78mm(L) x78mm(W) x23.5mm (H)
- Item weight: about 62.7g

- **Environmental Specifications**

- Operating temperature: 0 to 40° C
- Operating humidity: 10% to 90%(Non-condensing)

Software

- **Management**

- EPON :OAM / WEB / TR069 / Telnet

- **Register**

- Auto-discovery/Link detection/Remote upgrade software
- Auto/MAC/SN/LOID+Password authentication

- **L3**

- IPv4/IPv6 Dual Stack
- NAT
- DHCP client/server
- PPPOE client/ Pass through
- Static and dynamic routing

- **Switch**

- MAC address learning
- MAC address learning account limit
- Port isolation
- Port flow control
- Broadcast storm suppression
- VLAN transparent/tag/translate/trunk

- **Multicast**

- IGMP V2
- IGMP VLAN
- IGMP transparent/Snooping/Proxy

- **Security**

- Firewall
- MAC address/URL filter
- Remote WEB/Telnet access control

Application

- Typical Solution: FTTH
- Typical Business: Internet

