



深圳市沃克网络产品有限公司
Shenzhen Wolck Network Product Co.,Ltd

G/EPON ONU : 1GE

WK-3801



High Speed CPU



Low Power Consumption



Optional Shell Supply



Software Customization

Brief Views

1GE Dual mode ONU meets telecom operators FTTO (office), FTTD (Desk), FTTH(Home) broadband speed, SOHO broadband access, video surveillance and other requirements and design EPON/GPON Gigabit Ethernet products. It is based on mature and stable, cost-effective EPON/GPON technology, high reliability, easy management, configuration flexibility and good quality of service (QoS) guarantees. They are fully compliant with GPON and EPON technical regulations such as ITU-T G.984.x, IEEE802.3ah and so on. Dual mode ONU can detect and exchange PON mode automatically.



Functional Feature

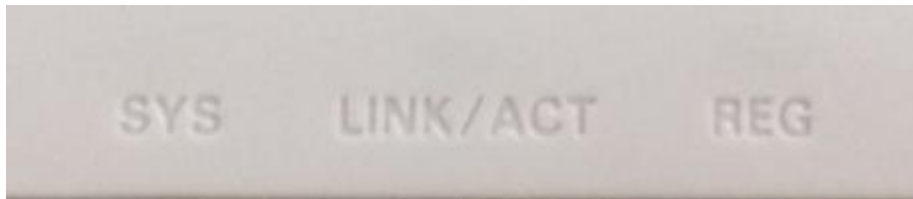
- ✧ Integrated auto detecting, auto configuration, and auto firmware upgrade technology.
- ✧ Support OAM/OMCI remote configuration and maintenance.
- ✧ Support rich VLAN, DHCP Server and IGMP snooping multicast feature.
- ✧ Fully compatibility with OLT based on Broadcom/PMC/Cortina chipset.
- ✧ Support NAT, Firewall function.
- ✧ Support bridge and router mode.



Software

Technical items	Descriptions
PON interface	1 G/EPON port(EPON PX20+ and GPON Class B+) Receiving sensitivity: $\leq -28\text{dBm}$ Transmitting optical power: $0\sim+4\text{dBm}$ Transmission distance: 20KM
Wavelength	Tx1310nm,Rx 1490nm
Optical interface	SC/PC connector
Interface	1* 10/100/1000Mbps auto adaptive Ethernet interfaces. Full /Half Duplex, RJ45 connectors.
Indicator	3 indicators, SYS, LINK/ACT, REG.
Operating condition	$-5^{\circ}\text{C}\sim 55^{\circ}\text{C}$, 10%~90% (non-condenseing)
Storing condition	$-30^{\circ}\text{C}\sim 60^{\circ}\text{C}$, 10%~90% (non-condenseing)
Power supply	DC 12V, 0.5A
Power consumption	$\leq 4\text{W}$
Dimension	82mm×82mm×25mm (L×W×H)
Net weight	0.08Kg





LED Definitions

LED	Mark	Status	Description
Interface	LINK/ACT	ON	Port is connected properly (LINK).
		Off	Port connection exception or not connected.
		Blink	Port is sending or/and receiving data (ACT).
Registration	REG	ON	Green: the device is registered to PON system.
		OFF	Device has received optical signal and not registered to the
		Blink	Red: the Device does not receive optical signals.
System	SYS	On / Off	System is not running or fatal error
		Blink	Normal running

Application

- ✧ Typical Solution: FTTH
- ✧ Typical Business: Internet , Router WIFI

