



# PRODUCT CATALOGUE 2024



**We Launch, Better Than Best**





## **UBIQCOM INDIA PVT. LTD.**

UBIQCOM is a top-notch firm engaged in offering cutting-edge FTTH solutions to the home and enterprises. Leveraging on its goodwill for offering top-notch products and solutions; it cherishes a huge customer base of satisfied home and business owners. The modern work environment has become very demanding, and need superior broadband connectivity. UBIQCOM has consistently engaged in devising the industry compliant FTTH solutions, made with superior grade materials.

It is on a quest to make FTTH technology more accessible to all end users. By connecting with us, you can get the most out of the world of Unified Communication. For home-connected users, UBIQCOM's End to End FTTH solution provides high-speed Internet, triple-play service, Wi-Fi, voice, video, and CATV services.



## MISSION

UBIQCOM works with a mission to strive endlessly to be the high-performing solution provider. Our aim is to Sync all of us with this changing Digital World. And To achieve this, we believe in :

- ◆ **Quality Is Imperative**
- ◆ **High-Performance Is Mandatory**
- ◆ **Sync with Ever-Growing Technology**
- ◆ **Customer Is The King**



## XPON ONU

1GE



# UB5010 G

**UB5010 G** ONU supports EPON/ GPON two modes access. The ONU automatically switches into the corresponding PON mode by identifying the local OLT mode to complete GPON/EPON/XPON adaptive access.

### SUPPORT ONLY BRIDGE MODE

## Features

- ❖ In compliant with 3a and ITU – T G.984 standard
- ❖ Support ONU auto-discovery
- ❖ Support NAT, Support ipv4/ipv6
- ❖ Support mac-address learning
- ❖ Support igmp transparent/snooping/proxy mode

## Specifications

Ethernet Port(LAN)	1*GE Auto-negotiation RJ45 ports Full Duplex / Half Duplex RJ45, Auto-MDI/MDI-X Transmission Distance 100 Meter
Distance	20Km Max
EPON/GPON Interface	SC/UPC single mode single fiber GPON : FSAN G.984.2 standard, Class B+ EPON : 1000BASE-PX20+ symmetric GPON : 2.488Gbps/1.244Gbps downstream/upstream EPON : 1.25Gbps downstream/upstream Wavelength: Transmit: 1310nm Receiver: 1490nm Receiving sensitivity : GPON : -26dBm EPON : -26dBm Saturated power : GPON : -6dBm EPON : -6dBm Transmitting power : GPON : 0.5~5dBm EPON:0~4dBm
Power Supply Port	12V DC input
Management Mode	WEB, Telnet
Management Function	Status monitor, Configuration management, Alarm management, Log management
Power	External 12V/0.5A DC power supply adapter Power consumption: <3W
Dimensions	Item Dimension : 125mm(L) x80mm(W) x28mm (H)Item Net Weight: about 106g

## XPON ONU



## UB5010 G+

**UB5010 G+** ONU supports EPON/ GPON two modes access. The ONU automatically switches into the corresponding PON mode by identifying the local OLT mode to complete GPON/EPON/XPON adaptive access.

### SUPPORT BRIDGE MODE & ROUTE MODE

### Features

- ❖ In compliant with 3GPP and ITU – T G.984 standard
- ❖ Support ONU auto-discovery
- ❖ Support NAT, Support ipv4/ipv6
- ❖ Support port VLAN configuration
- ❖ Support mac-address learning
- ❖ Support port flow-control
- ❖ Support igmp transparent/snooping/proxy mode

### Specifications

Ethernet Port(LAN)	1*GE Auto-negotiation RJ45 ports Full Duplex / Half Duplex RJ45, Auto-MDI/MDI-X Transmission Distance 100 Meter
Distance	20Km Max
EPON/GPON Interface	SC/UPC single mode single fiber GPON : FSAN G.984.2 standard, Class B+ EPON : 1000BASE-PX20+ symmetric GPON : 2.488Gbps/1.244Gbps downstream/upstream EPON : 1.25Gbps downstream/upstream Wavelength: Transmit: 1310nm Receiver: 1490nm Receiving sensitivity : GPON : -26dBm EPON : -26dBm Saturated power : GPON : -6dBm EPON : -6dBm Transmitting power : GPON : 0.5~5dBm EPON:0~4dBm
Power Supply Port	12V DC input
Management Mode	OMCI, OAM, WEB, Telnet
Management Function	Status monitor, Configuration management, Alarm management, Log management
Power	External 12V/0.5A DC power supply adapter Power consumption: <3W
Dimensions	Item Dimension : 125mm(L) x80mm(W) x28mm (H) Item Net Weight: about 106g

## XPON ONU

1GE + CATV



## UB5310 G+

**UB5310G+ is 1GE+CATV ONU designed for fulfilling FTTH ultra-broadband access request of home and SOHO users.**

**SUPPORT BRIDGE MODE & ROUTE MODE**

## Features

- ❖ Dual mode(Can access EPON/GPON OLTs)
- ❖ Compatible with popular OLT(HW,ZTE...)
- ❖ Industrial Design
- ❖ Detecting Rogue ONU
- ❖ Flow & Storm Control , Loop Detection
- ❖ Firewall: DDOS, Filtering Based on ACL/MAC/URL
- ❖ O&M: WEB/TELNET/OAM(OMCI)/TR069

## Specifications

PON interface	1 G/EPON port(EPON PX20+ and GPON Class B+) Wavelength:Tx1310nm,Rx 1490nm SC/UPC connector Receiving sensitivity: ≤-28dBm Transmitting optical power: 0~-4dBm
LAN interface	1 x 10/100/1000Mbps auto adaptive Ethernet interfaces.10/100/1000M Full/Half, RJ45 connector
Distance	20Km Max
CATV interface RF	Optical power : +2~-18dBm Optical reflection loss: ≥45dB Optical receiving wavelength: 1550±10nm RF frequency range: 47~1000MHz, RF output impedance: 75Ω RF output level and AGC range: 83dbuv@0~-10dBm / 81dbuv@-1~-11dBm / 79dbuv@-2~-12dBm / 77dbuv@-3~-13dBm / 75dbuv@-4~-14dBm / 73dbuv@-5~-15dBm MER: ≥32dB(-14dBm optical input), >35(-10dBm)
Power Supply	DC 12V/0.5A(option)
Operating condition	Temperature: -30°C~+70°C Humidity: 10%~90% (non-condensing)
Storing condition	Temperature : -30°C~+70°C Humidity :10%~90% (non-condensing)
Dimensions	Item Dimension : 82mm×82mm×25mm (L×W×H) Net Weight: 85g



## Specifications

EPON/GPON Interface	SC/UPC single mode single fiber GPON : FSAN G.984.2 standard, Class B+ EPON : 1000BASE-PX20+ symmetric GPON : 2.488Gbps/1.244Gbps downstream/upstream EPON : 1.25Gbps downstream/upstream Wavelength: Transmit: 1310nm Receiver: 1490nm Receiving sensitivity : GPON : -26dBm EPON : -26dBm Saturated power : GPON : -6dBm EPON : -6dBm Transmitting power : GPON : 0.5~5dBm EPON:0~4dBm
Ethernet Port(LAN)	1*10/100/1000M and 1*10/100M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance Operating Mode: Route or bridge
Power Interface	12V DC Power supply
Physical Specifications	Item Dimension : 228mm(L) x108mm(W) x 28mm (H) Item, Net Weight: about 136g

**UB5020 GW** ONU supports EPON/GPON two modes access. The ONU automatically switches into the corresponding PON mode by identifying the local OLT mode to complete GPON/EPON/XPON adaptive access.

## Features

- ❖ In compliant with 3G and ITU – T G.984 standard
- ❖ Support ONU auto-discovery/remote upgrade of software
- ❖ Meet 11 b/g/n technical standards
- ❖ Support VLAN transparent, tag configuration
- ❖ Support multicast function
- ❖ Support DHCP/Static/PPPOE internet mode
- ❖ Support OAM/OMCI+TR069 remote management
- ❖ Support data encryption and decryption function
- ❖ Support Dynamic Bandwidth Allocation (DBA)

## Wi-Fi Specification

Frequency	2.412 ~ 2.472 GHz
Antenna gain	5dBi
Channel	2.4GHz Channel : 1,2,3,4,5,6,7,8,9,10,11,12,13
Encryption mode	AES, TKIP, WPA, WPA2, WPA-PSK/WPA2-PSK
Transmit power	802.11n: 17dBm

## XPON ONU

1GE + 1FE + 1POTS



## UB5021 GV

The UBIQC **UB5021GV**, an optical network terminal (ONT), is a high-end home in FTTH solution. By using the GPON technology, ultra-broadband access is provided for home and SOHO users. The UB5021GV provides one POTS ports, one GE Internet port and one FE Internet port. The UB5021GV features high-performance forwarding capabilities to ensure excellent experience with VoIP, Internet and HD video services.

## Features

- ❖ Support EPON and GPON Mode, and switch mode automatically
- ❖ Support ONU auto-discovery/Link detection/remote upgrade of software
- ❖ WAN connections support Route and Bridge mode
- ❖ Route mode supports PPPOE/DHCP/ static IP
- ❖ Support QOS and DBA
- ❖ Support port Isolation and port vlan configuration
- ❖ Support Firewall function and IGMP snooping multicast feature
- ❖ Support LAN IP and DHCP Server configuration;
- ❖ Support Port Forwarding and Loop-Detect

## Specifications

<b>GPON Interface</b>	Class B+ Receiver sensitivity: -27dBm Wavelengths: US 1310 nm, DS 1490 nm Wavelength blocking filter (WBF) Flexible mapping between GEM Port and TCONT GPON: consistent with the SN or password authentication defined in G.984.3 Bi-directional FEC SR-DBA and NSR-DBA
<b>Ethernet Port(LAN)</b>	Ethernet port-based VLAN tags and tag removal 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission QinQ VLAN Limit on the number of learned MAC addresses MAC address learning Transparent transmission of IPv6 packets at Layer 2
<b>POTS Interface</b>	1•RJ11 G.711A/μ, G.729a/b, and G.722 encoding/decoding T.30/T.38/G.711 fax mode DTMF Emergency calls (with the SIP protocol)
<b>Working environment</b>	Operating temperature: 0°C to 40°C Environment humidity: 5% to 95% (noncondensing) Pressure environment: 0 to 106 kPa
<b>Power consumption</b>	Static power: 2 W Maximum power consumption: 2.5 W
<b>Power specifications</b>	Power adapter input: 100 to 240 V AC, 50–60 Hz System power supply: 11–14 VDC, 0.5 A
<b>Dimensions (Lx W x H)</b>	82 mm x 90 mm x 27 mm
<b>Weight</b>	About 0.5 Kg





**UB5021 Gvw** features high-performance forwarding capabilities to ensure excellent experience with VoIP, Internet and HD video services. It fully meets the ITU-T technical standards and have good compatibility with third party OLT. It provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

## Features

- ❖ In compliant with ITU-T G.984 and IEEE802.3ah standard
- ❖ Support ONU auto-discovery/Link detection/remote upgrade of software
- ❖ WIFI series meet 802.11 b/g/n technical standards
- ❖ Support VLAN transparent, tag configuration
- ❖ Support multicast Snooping/Proxy
- ❖ Support DHCP/Static/PPPOE internet mode
- ❖ Support port-binding
- ❖ Support OAM/OMCI+TR069 remote management

## Specifications

EPON/GPON Interface	SC/UPC single mode single fiber GPON : FSAN G.984.2 standard, Class B+ EPON : 1000BASE-PX20+ symmetric GPON : 2.488Gbps/1.244Gbps downstream/upstream EPON : 1.25Gbps downstream/upstream Wavelength: Transmit: 1310nm Receiver: 1490nm Receiving sensitivity : GPON : -26dBm EPON : -26dBm Saturated power : GPON : -6dBm EPON : -6dBm Transmitting power : GPON : 0.5~5dBm EPON:0~4dBm
Ethernet Port(LAN)	1*10/100/1000M auto-negotiation 1*10/100M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance Operating Mode: Route or bridge
Power Interface	12V DC Power supply
POTS Interface	1*RJ11, Max 1km distance Balanced Ring, 50V RMS
<b>WI-FI Specification</b>	
WIFI antenna	2 external antennas
Antenna gain	5dBi
Throughput	IEEE 802.11b: 11Mbps, IEEE 802.11g: 54 Mbps IEEE 802.11n: 300Mbps
Channel	13*Channel, configurable to meet the standard of USA, Canada, Japan and China
Encryption mode	802.11i security: WEP-64/128, TKIP (WPA-PSK) and AES (WPA2-PSK)

## XPON ONU

2GE + DUAL BAND WIFI



## UB5020 GWD

**UB5020 GW-D** ONU supports EPON/GPON two modes access. The ONU automatically switches into the corresponding PON mode by identifying the local OLT mode to complete GPON/EPON/XPON adaptive access.

## Features

- ❖ In compliant with 3GPP and ITU – T G.984 standard
- ❖ Support ONU auto-discovery/remote upgrade of software
- ❖ Meet 11 a/b/g/n/ac WIFI technical standard
- ❖ Support VLAN transparent, tag configuration
- ❖ Support multicast function
- ❖ Support DHCP/Static/PPPOE internet mode
- ❖ Support port-binding
- ❖ Support OAM/OMCI+TR069 remote management

[www.ubiqcom.in](http://www.ubiqcom.in)



## Specifications

EPON/GPON Interface	EPON/GPON Interface SC/UPC single mode single fiber GPON : FSAN G.984.2 standard, Class B+ EPON : 1000BASE-PX20+ symmetric GPON : 2.488Gbps/1.244Gbps downstream/upstream EPON : 1.25Gbps downstream/upstream Wavelength: Transmit: 1310nm Receiver: 1490nm Receiving sensitivity : GPON : -28dBm EPON : -27dBm Saturated power : GPON : -8dBm EPON : -3dBm Transmitting power : GPON : 0.5~5dBm EPON:0~4dBm
Ethernet Port(LAN)	2*10/100/1000M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
Power Interface	12V DC Power supply
Physical Specifications	Item Dimension : 160mm(L)*139.5mm(W)*28.5mm(H) Item Net Weight : about 239g

## Wi-Fi Specification

Comply with IEEE 802.11a/b/g/n/ac protocol standard, support 2.4GHz and 5GHz  
There are four external antennas  
5dBi antenna gain  
Maximum ideal rate up to 1.2Gbps  
2.4GHz supports 2\*2 MIMO (Multiple-Input Multiple-Output) technology  
5GHz supports 2\*2 MIMO (Multiple-Input Multiple-Output) technology  
Support 8 SSIDs  
Support wider RF bandwidth, up to 80MHz  
Support higher 256-QAM modulation mode  
Support MIMO-OFDM encoding mode  
Support wireless security of 64/128 bit WEP、802.1x、WPA and WPA2

**High Quality GPON/EPON/XPON/ONU/OLT**

## XPON ONU

2GE+1VOICE  
DUAL BAND WIFI



## UB5021 GVWD

**UB5021 GVW-D** ONU supports EPON/GPON two modes access. The ONU automatically switches into the corresponding PON mode by identifying the local OLT mode to complete GPON/EPON/XPON adaptive access.

### Features

- ❖ In compliant with ITU – T G.984.1/2/3/4 and IEEE802.3ah standard
- ❖ Support ONU auto-discovery/remote upgrade of software
- ❖ Meet 802.11 a/b/g/n/ac WIFI technical standard
- ❖ Support VLAN transparent, tag, untag configuration
- ❖ Support multicast function
- ❖ Support DHCP/Static/PPPOE internet mode
- ❖ Support port-binding
- ❖ Support TR069 remote management
- ❖ Support data encryption and decryption function

### Specifications

EPON/GPON Interface	SC/UPC single mode single fiber GPON : FSAN G.984.2 standard, Class B+ EPON : 1000BASE-PX20+ symmetric GPON : 2.488Gbps/1.244Gbps downstream/upstream EPON : 1.25Gbps downstream/upstream Wavelength: Transmit: 1310nm Receiver: 1490nm Receiving sensitivity : GPON : -26dBm EPON : -26dBm Saturated power : GPON : -6dBm EPON : -6dBm Transmitting power : GPON : 0.5~5dBm EPON:0~4dBm
Ethernet Port(LAN)	2*10/100/1000M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
Power Interface	12V DC Power supply
POTS Interface	1*RJ11, Max 1km distance Balanced Ring, 50V RMS

### Wi-Fi Specification

Comply with IEEE 802.11a/b/g/n/ac protocol standard, support 2.4GHz and 5GHz  
There are four external antennas  
5dBi antenna gain  
Maximum ideal rate up to 1.2Gbps  
2.4GHz supports 2\*2 MIMO (Multiple-Input Multiple-Output) technology  
5GHz supports 2\*2 MIMO (Multiple-Input Multiple-Output) technology  
Support 8 SSIDs  
Support wider RF bandwidth, up to 80MHz  
Support higher 256-QAM modulation mode  
Support MIMO-OFDM encoding mode  
Support wireless security of 64/128 bit WEP, 802.1x, WPA and WPA2



**UB5041 GVW+** is designed as HGU (Home Gateway Unit) in different FTTH solutions. The carrier-class FTTH application provides different services access. UB5041 GVW+ is based on mature and stable, cost-effective GPON technology.

## Features

- ❖ Support GPON mode and EPON mode
- ❖ Support Route mode for PPPoE/IPoE/Static IP and Bridge mode
- ❖ Support IPv4 and IPv6 Dual mode
- ❖ Support 2.4G WIFI and 2\*2 MIMO
- ❖ Support SIP Protocol for VoIP Service
- ❖ Support LAN IP and DHCP Server configuration
- ❖ Support Port Mapping and Loop-Detect
- ❖ Support Firewall function and ACL function
- ❖ Support IGMP Snooping/Proxy multicast feature
- ❖ Support TR069 remote configuration and maintenance

## Specifications

<b>PON Interface</b>	1 GPON/EPON (Class B+) Receiving sensitivity: ≤-27dBm Transmitting optical power: +0.5~+5dBm Transmission distance: 20KM
<b>POTS Interface</b>	1 FXS, RJ11 connector Support: G.711/G.723/G.726/G.729 codec Support: T.30/T.38/G.711 Fax mode, DTMF Relay Line testing according to GR-909
<b>LAN Interface</b>	1 x 10/100/1000Mbps(GE) 3 x 10/100Mbps(FE) auto adaptive Ethernet interfaces. Full/Half, RJ45 connector
<b>Power Interface</b>	12V DC Power supply
<b>Physical Specifications</b>	180mm(L)*107mm(W)*28mm(H)Item Net Weight: 0.2kg

## Wi-Fi Specification

There are four external antennas
5dBi antenna gain
Operating frequency: 2.400-2.4835GHz
support MIMO, rate up to 300Mbps
Support: Multiple SSID
Modulation type: DSSS, CCK and OFDM
Channel: Auto
Encoding scheme: BPSK, QPSK, 16QAM and 64QAM



UB5041 GVW-D+ is designed as HGU (Home Gateway Unit) in different FTTH solutions. The carrier- class FTTH application provides data and video service access .

## Features

- ❖ Support GPON mode and EPON mode.
- ❖ Support Route mode for PPPoE/DHCP/Static IP and Bridge mode
- ❖ Support IPv4 and IPv6 Dual mode
- ❖ Support 2.4G&5.8G WIFI and Multiple SSID
- ❖ Support LAN IP and DHCP Server configuration
- ❖ Support Port Mapping and Loop-Detect
- ❖ Support Firewall function and ACL function
- ❖ 2.4G 2\*2 MIMO ,rate up to 300Mbps
- ❖ 5.8G 2\*2 MIMO ,rate up to 867Mbps

## Specifications

EPON/GPON Interface	SC/UPC single mode single fiber GPON : FSAN G.984.2 standard, Class B+ EPON : 1000BASE-PX20+ symmetric GPON : 2.488Gbps/1.244Gbps downstream/upstream EPON : 1.25Gbps downstream/upstream Wavelength: Transmit: 1310nm Receiver: 1490nm Receiving sensitivity : GPON : -26dBm EPON : -26dBm Saturated power : GPON : -6dBm EPON : -6dBm Transmitting power : GPON : 0.5~5dBm EPON:0~4dBm
Ethernet Port(LAN)	1*10/100/1000M auto-negotiation 3*10/100M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
POTS Interface	1 FXS, RJ11connector Support: G.711/G.723/G.726/G.729codec Support: T.30/T.38/G.711 Fax mode, DTMFRelay
Power Interface	12V DC Power supply
Physical Specifications	248mm(L)*158mm(W)*192mm(H) Net Weight: 0.3Kg

## Wi-Fi Specification

Compliant with IEEE802.11b/g/n/ac

2 external antennas 5dBi

Support Multiple SSID

2.4G 2\*2 MIMO, rate up to 300Mbps

2.4G 2\*2 MIMO, rate up to 300Mbps

Support wireless security of 64/128 bit WEP、1x、WPA and WPA2



UB5041 GVW-D+ is designed as HGU (Home Gateway Unit) in different FTTH solutions. The carrier- class FTTH application provides data and video service access .

## Features

- ❖ Support GPON mode and EPON mode.
- ❖ Support Route mode for PPPoE/DHCP/Static IP and Bridge mode
- ❖ Support IPv4 and IPv6 Dual mode
- ❖ Support 2.4G&5.8G WIFI and Multiple SSID
- ❖ Support LAN IP and DHCP Server configuration
- ❖ Support Port Mapping and Loop-Detect
- ❖ Support Firewall function and ACL function
- ❖ 2.4G 2\*2 MIMO ,rate up to 300Mbps
- ❖ 5.8G 2\*2 MIMO ,rate up to 867Mbps

## Specifications

EPON/GPON Interface	SC/UPC single mode single fiber GPON : FSAN G.984.2 standard, Class B+ EPON : 1000BASE-PX20+ symmetric GPON : 2.488Gbps/1.244Gbps downstream/upstream EPON : 1.25Gbps downstream/upstream Wavelength: Transmit: 1310nm Receiver: 1490nm Receiving sensitivity : GPON : -26dBm EPON : -26dBm Saturated power : GPON : -6dBm EPON : -6dBm Transmitting power : GPON : 0.5~5dBm EPON:0~4dBm
Ethernet Port(LAN)	1*10/100/1000M auto-negotiation 3*10/100M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
POTS Interface	1 FXS, RJ11connector Support: G.711/G.723/G.726/G.729codec Support: T.30/T.38/G.711 Fax mode, DTMFRelay
Power Interface	12V DC Power supply
Physical Specifications	248mm(L)*158mm(W)*192mm(H) Net Weight: 0.3Kg

## Wi-Fi Specification

Compliant with IEEE802.11b/g/n/ac

2 external antennas 5dBi

Support Multiple SSID

2.4G 2\*2 MIMO, rate up to 300Mbps

2.4G 2\*2 MIMO, rate up to 300Mbps

Support wireless security of 64/128 bit WEP、1x、WPA and WPA2



**UB5042 GVW-D** ONU supports EPON/GPON two modes access. The ONU automatically switches into the corresponding PON mode by identifying the local OLT mode to complete GPON/EPON/XPON adaptive access.

## Features

- ❖ In compliant with ITU – T G.984.1/2/3/4 and IEEE802.3ah standard
- ❖ Support ONU auto-discovery/Link detection/remote upgrade of software
- ❖ Meet 802.11 a/b/g/n/ac WIFI technical standard
- ❖ Support VLAN transparent, tag, untag configuration
- ❖ Support multicast function
- ❖ Support DHCP/Static/PPPOE internet mode
- ❖ Support port-binding
- ❖ Support TR069 remote management

## Specifications

<b>EPON/GPON Interface</b>	SC/UPC single mode single fiber GPON : FSAN G.984.2 standard, Class B+ EPON : 1000BASE-PX20+ symmetric GPON : 2.488Gbps/1.244Gbps downstream/upstream EPON : 1.25Gbps downstream/upstream Wavelength: Transmit: 1310nm Receiver: 1490nm Receiving sensitivity : GPON : -26dBm EPON : -26dBm Saturated power : GPON : -6dBm EPON : -6dBm Transmitting power : GPON : 0.5~5dBm EPON:0~4dBm
<b>Ethernet Port(LAN)</b>	4*10/100/1000M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
<b>POTS Interface</b>	2*RJ11 Max 1km distance Balanced Ring, 50V RMS
<b>USB interface</b>	1*USB 2.0 interface Transmission Rate: 480Mbps
<b>Physical Specifications</b>	Item Dimension : 240mm(L) x 240mm(W) x 24mm (H)Item, Net Weight : about 317g

## Wi-Fi Specification

Comply with IEEE 802.11a/b/g/n/ac protocol standard, support 2.4GHz and 5GHz

There are four external antennas

5dBi antenna gain

Maximum ideal rate up to 1.2Gbps

Support 8 SSIDs

Support wider RF bandwidth, up to 80MHz

## EPON OLT

4\*PON, 4\*GE, 2\*10G SFP+



## UB5004 EL

EPON OLT **UB5004 EL** completely meet relative standard of ITU G.984.x and FSAN, which is 1U rack-mounted device with 1 USB interface, 4 uplink GE ports, 4 uplink SFP ports, 2 10-gigabit uplink ports and 4 EPON ports, each EPON port supports the splitting ratio of 1:64 and provides downstream bandwidth of 1.25Gbps and upstream bandwidth of 1 Gbps, system support 256 EPON terminals accessing in for the most.

## Features

- Meet ITU-T G.984/G.988 standard and relative EPON standards of Communication Industry
- Support OMCI remote management for ONT/ONU, compatible with ITU-T G.984.4/G.988 OMCI Protocol
- 1U height 8PON OLT product in compact design of Pizza-Box
- Complete PON protection switching function
- Layer 2/3 Switching Function

## Specifications

Type	1U 19-inch standard box
Uplink Port	4 10/100/1000M auto-negotiation Ethernet ports 4 SFP interfaces
10-Gigabit	2 SFP+ interfaces
USB Port	1 USB interface (It's used to backup configuration, upgrade program, and record log information)
Transmission distance	20KM
PON Port rate	Downstream: 1.25Gbps Upstream: 1Gbps
Wavelength	Forwarding: 1490nm Receiving: 1310nm
Management Port	1 100/1000BASE-Tx out-band Ethernet port 1 CONSOLE local management port
Fiber type	9/125μm SMF (Single Mode Fiber)
Weight	4kg
Size	440mm(L)*240mm(W)*44mm(H)
Power supply	220VAC =AC: 100V~240V, 50/60Hz,   -48DC = DC : -40V~-72V (BBU) Battery Backup Unit
Environmental requirements	Working temperature -15~50℃ Storage temperature -40~85℃ Relative humidity 5~90% (Non-condensing)





## EPON OLT

8\*PON, 4\*GE, 4\*10G SFP+



## UB5008 EL

EPON OLT **UB5008 EL** completely meet relative standard of ITU G.984.x and FSAN, which is 1U rack-mounted device with 1 USB interface, 4 uplink GE ports, 4 uplink SFP ports, 4 10-gigabit uplink ports and 8 EPON ports, each EPON port supports the splitting ratio of 1:64 and provides downstream bandwidth of 1.25Gbps and upstream bandwidth of 1 Gbps, system support 512 EPON terminals accessing in for the most.

## Features

- Meet the relative standard of ITU-T G.984/G.988 and EPON in the Communication Industry
- Supportive of OMCI remote management for ONT/ONU, compatible with ITU-T G.984.4/G.988 OMCI Protocol
- 1U height 16PON OLT product in the compact design of Pizza-box
- A complete PON protection switching function
- Layer 2/3 switching function
- QOS Guarantee
- Easy-to-Use management system

## Specifications

Item	1U 19-inch standard box
COMBO port	4 10/100/1000M auto-negotiation Ethernet ports
10-Gigabit	4 SFP+ interfaces
PON Port	8*PONport,
Management Port	1 100/1000BASE-Tx out-band Ethernet port 1 CONSOLE local management port
USB Port	1 USB interface (It's used to backup configuration, upgrade program, and record log information)
Transmission distance	20KM
Port rate	Downstream: 1.25Gbps Upstream: 1Gbps
Wavelength	Forwarding: 1490nm Receiving: 1310nm
Fiber type	9/125μm SMF (Single Mode Fiber)
Size	440mm(L)*272.6mm(W)*44mm(H)
Power supply	220VAC =AC: 100V~240V, 50/60Hz   -48DC = DC : -40V~-72V (BBU) Battery Backup Unit
Weight	4.50kg
Maximum power	58W
Working environment	Working temperature -15~50°C Storage temperature -40~85°C Relative humidity 5~90% (Non-condensing)



## GPON OLT

1\*GPON, 2\*RJ45+1\*SFP/SFP+



## UB5001 GL

**UB5001 GL** is a box-type GPON OLT with one PON port. The price of UB5001 GL is very attractive and the performance is very strong. The splitting ratio of its PON port is 1:128, and the farthest transmission distance is 20KM. Its uplink and downlink bandwidth is as high as: 1.25Gbps/2.5Gbps. UB5001 GL can be widely used in FTTH, SOHO, small business office and other application scenarios.

## Specifications

Model:	UB5001 GL
Uplink Port	QTY-3, RJ45(GE)-2, SFP(GE)/SFP+(10GE)-1
Transmission distance	20KM
PON Port rate	Upstream 1.244Gbps, Downstream 2.488Gbps
Wavelength	TX 1490nm, RX 1310nm
Management Port	1*CONSOLE port
Fiber type	9/125μm SM
Weight	Net weight of single power: 1.07kg
Size	210mm*173mm*43.6mm
Power supply	1*AC+1*DC • DC 12V/2A • AC 85~264V, 47/60Hz(Default)
Environmental requirements	Working temperature -0°C ~+55°C Storage temperature --40~+85°C Relative humidity 10~85% (non-condensing)

### Features

- High-Performance Chipset
- Built-in PON optic module Mini Metal Shell Easy Deployment
- Centralized Management and Plug & Play
- Built-in PON optic module Mini Metal Shell Easy Deployment
- Support OMClremote management for ONT/ONU, compatible
- Complete PON protection switching function



## GPON OLT

2 PON Ports



## UB5002 GL

The UB5002 GL is a box-type GPON OLT with two GPON ports that meets flexible and fast FTTx access, suiting the scenarios such as sparse/ remote/cost-sensitive area, smart industrial park, commercial building and FTTM, etc.

## Features

- Simple Design for Small application
- 2 PON Port & 2 SFP+ Uplink
- Stable connection
- Easy Install Easy O&M

## Specifications

Model:	UB5002 GL
Uplink Port	QTY-4, RJ45(GE)-2, SFP(GE)/SFP+(10GE)-2
Transmission distance	20KM
PON Port rate	Upstream 1.244Gbps, Downstream 2.488Gbps
Wavelength	TX 1310nm, RX 1490nm
Management Port	1*10/100/1000BASE-T out-band port, 1*CONSOLE port, 1*USB2.0
Fiber type	9/125μm SMF
Weight	Net weight of single power: 2.485kg
Size	442mm*200mm*43.6mm
Power supply	35W
Environmental requirements	Working temperature -0°C ~+50°C Storage temperature --40~+85°C Relative humidity 5~90% (non-condensing)



## GPON OLT

4\*PON, 4\*GE, 2\*10G SFP+



## UB5004 GL

GPON OLT **UB5004 GL** completely meet relative standard of ITU G.984.x and FSAN, which is 1U rack-mounted device with 1 USB interface, 4 uplink GE ports, 4 uplink SFP ports, 2 10-gigabit uplink ports and 4 GPON ports, each GPON port supports the splitting ratio of 1:128 and provides downstream bandwidth of 2.5Gbps and upstream bandwidth of 1.25Gbps, system support 512 GPON terminals accessing in for the most.

## Features

- Meet ITU-T G.984/G.988 standard and relative GPON standards of Communication Industry
- Support OMCI remote management for ONT/ONU, compatible with ITU-T G.984.4/G.988 OMCI Protocol
- 1U height 8PON OLT product in compact design of Pizza-Box
- Complete PON protection switching function
- Layer 2/3 Switching Function

## Specifications

Type	1U 19-inch standard box
Uplink Port	4 10/100/1000M auto-negotiation Ethernet ports 4 SFP interfaces
10-Gigabit	2 SFP+ interfaces
USB Port	1 USB interface (It's used to backup configuration, upgrade program, and record log information)
Transmission distance	20KM
PON Port rate	Downstream: 2.5Gbps    Upstream: 1.25Gbps
Wavelength	Forwarding: 1490nm    Receiving: 1310nm
Management Port	1 100/1000BASE-Tx out-band Ethernet port 1 CONSOLE local management port
Fiber type	9/125μm SMF (Single Mode Fiber)
Weight	4kg
Size	440mm(L)*240mm(W)*44mm(H)
Power supply	220VAC =AC: 100V~240V, 47/63Hz   -48DC = DC : -36V~-72V (BBU) Battery Backup Unit
Environmental requirements	Working temperature -15~50°C Storage temperature -40~85°C Relative humidity 5~90% (Non-condensing)



## GPON OLT

8\*PON, 4\*GE, 2\*10G SFP+



## UB5008 GL

GPON OLT **UB5008 GL** completely meet relative standard of ITU G.984.x and FSAN, which is 1U rack-mounted device with 1 USB interface, 4 uplink GE ports, 4 uplink SFP ports, 2 10-gigabit uplink ports and 8 GPON ports, each GPON port supports the splitting ratio of 1:128 and provides downstream bandwidth of 2.5Gbps and upstream bandwidth of 1.25Gbps, system support 1024 GPON terminals accessing in for the most.

## Features

- Meet the relative standard of ITU-T G.984/G.988 and GPON in the Communication Industry
- Supportive of OMCI remote management for ONT/ONU, compatible with ITU-T G.984.4/G.988 OMCI Protocol
- 1U height 16PON OLT product in the compact design of Pizza-box
- A complete PON protection switching function
- Layer 2/3 switching function
- QOS Guarantee
- Easy-to-Use management system

## Specifications

Item	1U 19-inch standard box
COMBO port	4 10/100/1000M auto-negotiation Ethernet ports
10-Gigabit	2 SFP+ interfaces
PON Port	8*PONport
Management Port	1 100/1000BASE-Tx out-band Ethernet port 1 CONSOLE local management port
USB Port	1 USB interface (It's used to backup configuration, upgrade program, and record log information)
Transmission distance	20KM
Port rate	Downstream: 2.5Gbps Upstream: 1.25Gbps
Wavelength	Forwarding: 1490nm Receiving: 1310nm
Fiber type	9/125μm SMF (Single Mode Fiber)
Size	440mm(L)*272.6mm(W)*44mm(H)
Weight	4.50kg
Maximum power	58W
Power supply	220VAC =AC: 100V~240V, 47/63Hz   -48DC = DC : -36V~-72V (BBU) Battery Backup Unit
Working environment	Working temperature -15~50°C Storage temperature -40~85°C Relative humidity 5~90% (Non-condensing)



## GPON OLT

16\*PON, 4\*GE, 2\*10G SFP+



### UB5016 GL

GPON OLT **UB5016 GL** completely meet relative standard of ITU G.984.x and FSAN, which is 1U rack-mounted device with 1 USB interface, 4 uplink GE ports, 4 uplink SFP ports, 2 10-gigabit uplink ports and 16 GPON ports, each GPON port supports the splitting ratio of 1:128 and provides downstream bandwidth of 2.5Gbps and upstream bandwidth of 1.25Gbps, system support 2048 GPON terminals accessing in for the most.

## Features

- Meet the relative standard of ITU-T G.984/G.988 and GPON in the Communication Industry
- Supportive of OMCI remote management for ONT/ONU, compatible with ITU-T G.984.4/G.988 OMCI Protocol
- 1U height 16PON OLT product in the compact design of Pizza-box
- A complete PON protection switching function
- Layer 2/3 switching function
- QOS Guarantee
- Easy-to-Use management system

## Specifications

Item	1U 19-inch standard box
COMBO port	4 10/100/1000M auto-negotiation Ethernet ports 4 SFP interfaces
10-Gigabit	2 SFP+ interfaces
PON Port	16*PON port
Management Port	1 100/1000BASE-Tx out-band Ethernet port 1 CONSOLE local management port
USB Port	1 USB interface (It's used to backup configuration, upgrade program, and record log information)
Transmission distance	20KM
Maximum Power	70W
Port rate	Downstream: 2.5Gbps    Upstream: 1.25Gbps
Outline dimensions	440mm*312mm*44mm (W*D*H)
Weight	5kg
Power supply	220VAC =AC: 100V~240V, 47/63Hz   -48DC = DC : -36V~-72V (BBU) Battery Backup Unit
Environmental requirements	Working temperature -15~50°C Storage temperature -40~85°C Relative humidity 5~90% (Non-condensing)



# Splicing Machine



**UB5404-CL**

## Clad to Clad 4 Motor Splicing

**Fusion splicer** is used for joining two optical fibers end-to-end using heat, to fuse the two fibers together in such a way that light passing through the fibers is not scattered or reflected back by the splice, and so that the splice and the region surrounding it are almost as strong as the virgin fiber itself.

## Features

- Auto splice mode manifest user-friendly design.
- V-Groove cladding alignment, high quality and low loss.
- 5-inch high-resolution color LCD touch screen.
- 500 X magnifications, visible clearly with bare eyes.

## Specifications

Applied In	FTTH
Alignment Method:	Clad to clad alignment, 4 motors
Fiber Cores:	Single fiber
Applied fiber category	SM/MM/DS/NZDS
Diameter of fiber	0.25-0.3mm / indoor cable
Fiber placed & cleaved length	Coating diameter 0.125-1mm / cleave length 8-16mm
Splicing mode	Multiple splicing modes
Splicing time	6-10s
Splicing length	20-60mm
Heating time	Multiple heating modes / typical heating time 15-30s
Electrodes life	6000 times
Battery Power	5200 mAh
Results storage	1000 latest records
Size of host machine	W*L*H 140*165*160 mm (including rubber bumper)/130*165*150mm (excluding rubber bumper)
Weight	Host machine 2kg (including rubber bumper) / 1.7kg (excluding rubber bumper). Weight of battery 0.38kg

# Splicing Machine



## UB5406-CR

### Core to Core 6 Motor Splicing

**Fusion splicer** is used for joining two optical fibers end-to-end using heat, to fuse the two fibers together in such a way that light passing through the fibers is not scattered or reflected back by the splice, and so that the splice and the region surrounding it are almost as strong as the virgin fiber itself.

### Features

- 6 Motors, core alignment
- 5 Inch 800x480 HD screen, 380X/190X magnification
- Average splicing loss: 0.01dB
- 5200mAh battery capacity, 250 times splice & heat cycles
- Saved 10000 sets of welding results, 100 sets of images

### Specifications

Applied In	FTTH
Alignment Method:	Meticulous; Core; Clad; Manual
Fiber Cores:	Single fiber
Typical heating time	Typical: 6s(SM)
Splicing program	100(user mode) 53(factory mode)
Heating program	40 (user mode) 11 (factory mode)
Splicing mode	Multiple splicing modes
Splicing time	250 times (typical)
Power supply	AC: 100~240V, Lithium battery voltage: DC 13.5V
Heating control mode	Automatic/Manual
Electrodes life	6000 times
Battery Power	5200 mAh
Results storage	1000 latest records
Size of host machine	138 x 160 x 150 (mm)
Weight	1.66kg (without battery) 1.99kg (with Battery)



# Media Converter



## Specifications

### Single Fiber

10/100 Single Fiber & 10/100/1000 Single Fiber



<b>Optical Interface</b>	Connector: SC/UPC(default)/FC/ST Optical Module: 1*9 type Data Rate: 100Mbps, 1000Mbps Duplex Mode: Full duplex Fiber: MM 50/125um,62.5/125um; SM 9/125um
<b>Distance</b>	100Mbps: MM 2km,SM25/40/60/80/100/120km 1000Mbps: MM 550m/2km,SM 20/40/60/80/100/120km
<b>UTP Interface</b>	Connector:RJ45, Data Rate:10/100Mbps, 10/100/1000Mbps Duplex Mode: Half/full duplex Cable: Cat5,Cat6, Cat7
<b>Wavelength</b>	MM 850nm,1310nm SM 1310nm,1550nm WDM Tx1310/Rx1550nm(A side),
<b>Power supply</b>	DC5V(default), 12V/24V/48V

Model Number	Optic Fiber	Wavelength	Reach
UB5135-SM-02A/B	Single mode	1310/1550NM	MM 2km,SM25/40/60/80/100/120km
UB 5135-SG-20A/B	Single mode	1310/1550NM	MM 550m/2km,SM 20/40/60/80/100/120km

# Media Converter



## Specifications

### Dual Fiber

10/100 Dual Fiber & 10/100/1000 Dual Fiber



<b>Optical Interface</b>	Connector: SC/UPC(default)/FC/ST Optical Module: 1*9 type Data Rate: 100Mbps, 1000Mbps Duplex Mode: Full duplex Fiber: MM 50/125um,62.5/125um; SM 9/125um
<b>Distance</b>	100Mbps: MM 2km,SM25/40/60/80/100/120km 1000Mbps: MM 550m/2km,SM 20/40/60/80/100/120km
<b>UTP Interface</b>	Connector:RJ45, Data Rate:10/100Mbps, 10/100/1000Mbps Duplex Mode: Half/full duplex Cable: Cat5,Cat6, Cat7
<b>Wavelength</b>	MM 850nm,1310nm SM 1310nm,1550nm WDM Tx1310/Rx1550nm(A side),
<b>Power supply</b>	DC5V(default), 12V/24V/48V

Model Number	Net. Mode	Wavelength	Reach
UB5113-DM	10/100M	1310NM	MM [ 2km. ] , SM [ 25/40/60km. ]
UB5113-DM	10/100M	1550NM	SM [ 80/100/120km. ]
UB5185-DG	10/100/1000M	850NM	SM [ 80/100/120km. ]
UB5113-DG	10/100/1000M	1310NM	SM [ 80/100/120km. ]
UB5115-DG	10/100/1000M	1550NM	SM [ 80/100/120km. ]

# Optical Transceiver



UBIQCOTM'S **SFP** module solutions offer 1G/10G/40G/100G connectivity for Internet Service Provider (ISP), Enterprise, Data Center Networks and other **optical** links.



## SFP, SFP+, QSFP+

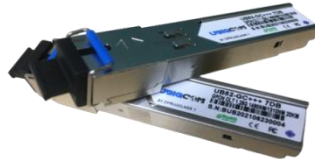
### Data Rate:

1G/10G/40G/100G-SFP/SFP+/QSFP+

### Fiber Mode:

Single/Dual Fiber SMF/MMF

Distance:20-120km



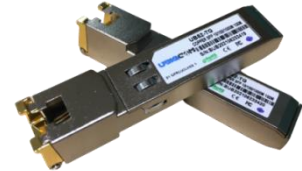
## PON MODULE

EPON-C+++ Upto 9dBm

(1.25/1Gbps-20km)

GPON-C+++ Upto 8dBm

(2.25/1.25Gbps-20km)



## COPPER SFP

1G Copper SFP

(100M)

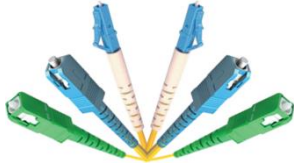
10G Copper SFP+

(100M)

# FIBER PATCH CORDS & PIGTAILS



## SINGLE MODE SIMPLEX



FC-SX-LL/PC | FC-SX-SL/PC  
FC-SX-SS/PC | FC-SX-SS/APC

## SINGLE MODE DUPLEX



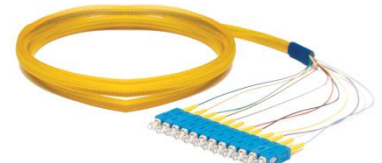
FC-DX-LL/PC | FC-DX-SL  
FC-DX-SS | FC-DX-LF/PC | FC-DX-SF/PC

## MULTIMODE OM1/2/3/4 DUPLEX



FC-OMZ-SX-LL/PC  
FC-MM-DX-LL/PC  
Multimode

## FIBER PIGTAIL



SC-PC 1 M  
Single Mode

## PLC SPLITTER & RATIO COUPLER

### Without Connector



1x2 | 1x4 | 1x8 | 1x16  
PLC Splitter Without Connector

### With Connector



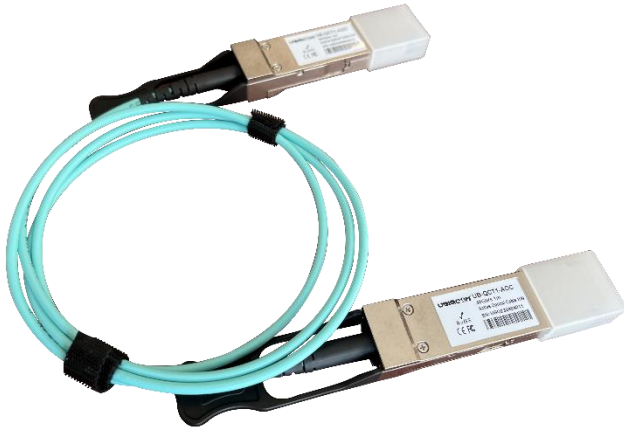
1x2 | 1x4 | 1x8 | 1x16  
PLC Splitter With Connector

### Triple Window Coupler



1310, 1490, 1550 in ratio of :  
50:50, 55:45, 60:40, 65:35, 70:30, 75:25,  
80:20, 85:15, 90:10, 95:05, 97:03, 98:02  
for FTTx and CATV applications.

# DAC & AOC CABLES



**AOC**

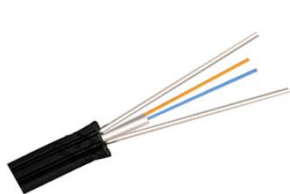
Active Optical Cables



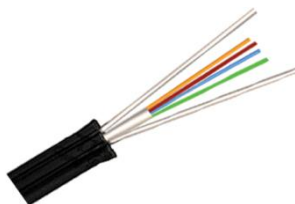
**DAC**

Direct Attach Cables

## UNARMoured WITH GLASS YARN CABLE



2 Core 2 FRP Cable, G652D  
Diameter 5.8, HDPE



4 Core 2 FRP Cable, G652D  
Diameter 6.0, HDPE



6 Core 2 FRP Cable, G652D  
Diameter 6.0, HDPE



12 Core 2 FRP Cable, G652D  
Diameter 6.0, HDPE

## DROP CABLE (Avail. Min 2km Bundle)



1 Fiber Optic Drop Cable  
SM, G657A1 (ARP)  
LSZH Sheath Flat Cable



2 Fiber Optic Drop Cable  
SM, G657A1 (ARP)  
LSZH Sheath Flat Cable



2 Fiber Optic Drop Cable  
SM, G657A1 (FRP)  
LSZH Sheath Flat Cable

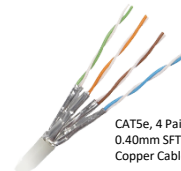
## COPPER CABLE ( SFTP / UTP )



CAT5e, 4 Pair  
0.40mm UTP, PVC, 305Mtr,  
Copper Cable



CAT6e, 4 Pair  
0.52mm UTP, PVC, 305Mtr,  
Copper Cable



CAT5e, 4 Pair  
0.40mm SFTP, PVC, 305Mtr,  
Copper Cable



CAT6e, 4 Pair  
0.52mm SFTP, PVC, 305Mtr,  
Copper Cable



## OFI

### OPTICAL FIBER IDENTIFIER

- Low battery indication.
- Operates using one hand.



## VFL

### VISUAL FAULT LOCATOR

- Long battery life
- 1MW High visibility up to 5 km



## OPM

### OPTICAL POWER METER

- LCD display supports night operation

# LGX BOXES



**1x2 Cassette PLC Splitter**



**1x4 Cassette PLC Splitter**



**1x8 Cassette PLC Splitter**

## LIU BOXES



**FIBER OPTIC TERMINATION BOX**  
1x4 | 1x8 | 1x16

## JC BOX



**FIBER PROTECTION SLEEVE**  
UB-JC Box Back (2/4 Way)

## FIBER SLEEVE



**FIBER PROTECTION SLEEVE**  
40mm | 60mm | 70mm



# Enterprise IP Phones



**UBIQC.COM** IP Phones are designed with the latest technology, feature-rich functions, multi-call function and a high-quality audio experience with an intuitive user interface.



## UB600

### Business Grade IP Phone

2 SIP Accounts, 2 Line Keys

Dual-port 10/100Mbps Ethernet

132x64 pixel graphic LCD with backlight



## UB600P

### Business Grade IP Phone

2 SIP Accounts, 2 Line Keys, PoE

Dual-port 10/100Mbps Ethernet

132x64 pixel graphic LCD with backlight



## UB600LP

### Entry Level IP Phone

2 SIP Accounts, 2 Line Keys, PoE

132x64 pixel graphic LCD Without Backlight

1\* 10/100/1000Mbps Ethernet



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