

HK739

GPON / EPON ONT

1GE 3FE 1TEL 1USB

2.4G 5dBi WiFi



1. Overview

HK739XH is designed as HGU (Home Gateway Unit) in different FTTH solutions. The carrier-class FTTH application provides different services access.

HK739XH is based on mature and stable, cost-effective XPON technology.

HK739XH adopts high reliability, easy management, configuration flexibility and good quality of service guarantees to meet the technical performance of EPON Standard of China Telecom CTC3.0 and GPON Standard of ITU-TG.984.X

2. Functional Feature

Hisilicon CPU SD5116 + Hisilicon WiFi chip Hi5620 can Guarantee ONT with Great Lan and Wi-Fi performance

Support EPON/GPON mode and switch mode easily

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 Proctol 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

Specialized design for system breakdown prevention to maintain stable system



3. Hardware Specification

Technical item	Details
PON Interface	1 GPON BOB (Class B+)
	Receiving sensitivity: $\leq -27\text{dBm}$
	Transmitting optical power: $+0.5\sim+5\text{dBm}$
	Transmission distance: 20KM
Wavelength	TX: 1310nm, RX: 1490nm
Optical Interface	SC/UPC Connector
Design Scheme	Hisilicon CPU SD5116 + Hisilicon WiFi chip Hi5620
LAN Interface	1 x 10/100/1000Mbps(GE) and 3 x 10/100Mbps(FE) auto adaptive Ethernet interfaces. Full/Half, RJ45 connector
Wireless	Compliant with IEEE802.11b/g/n
	Operating frequency: 2.400-2.4835GHz
POTS interface	support MIMO, rate up to 300Mbps
	2T2R, 2 external antenna 5dBi
	Support: Multiple SSID
	Channel: Auto
	Modulation type: DSSS, CCK and OFDM
	Encoding scheme: BPSK, QPSK, 16QAM and 64QAM
	1 FXS, RJ11 connector
	Support: G.711/G.723/G.726/G.729 codec
Push-Button LED	Support: T.30/T.38/G.711 Fax mode, DTMF Relay
	Line testing according to GR-909
	10 LED, For Status of WIFI、WPS、PWR、LOS、PON、LAN1~LAN4、FXS
	3, For Function of Reset, WLAN, WPS
Operating Condition	Temperature: $0^{\circ}\text{C} \sim +50^{\circ}\text{C}$
	Humidity: 10%~90% (non-condensing)
Storing Condition	Temperature: $30^{\circ}\text{C} \sim +60^{\circ}\text{C}$
	Humidity: 10%~90% (non-condensing)
Power Consumption Power	DC 12V/1A
Supply	$\leq 6\text{W}$
Dimension	162mm×112mm×32mm (L×W×H)
Net Weight	0.3Kg



4. Panel lights Introduction

Pilot Lamp	Status	Description
WIFI	On	The WIFI interface is up.
	Blink	The WIFI interface is sending or/and receiving data (ACT).
	Off	The WIFI interface is down.
WPS	Blink	The WIFI interface is securely establishing a connection.
	Off	The WIFI interface does not establish a secure connection.
PWR	On	The device is powered up.
	Off	The device is powered down.
LOS	Blink	The device does not receive optical signals or with low signals.
	Off	The device has received optical signal.
PON	On	The device has registered to the PON system.
	Blink	The device is registering the PON system.
	Off	The device registration is incorrect.
LAN1~LAN4	On	Port (LANx) is connected properly (LINK).
	Blink	Port (LANx) is sending or/and receiving data (ACT).
	Off	Port (LANx) connection exception or not connected.
FXS	On	Phone has registered to the SIP Server.
	Blink	Phone has registered and data transmission (ACT).
	Off	Phone registration is incorrect

5. Appearance

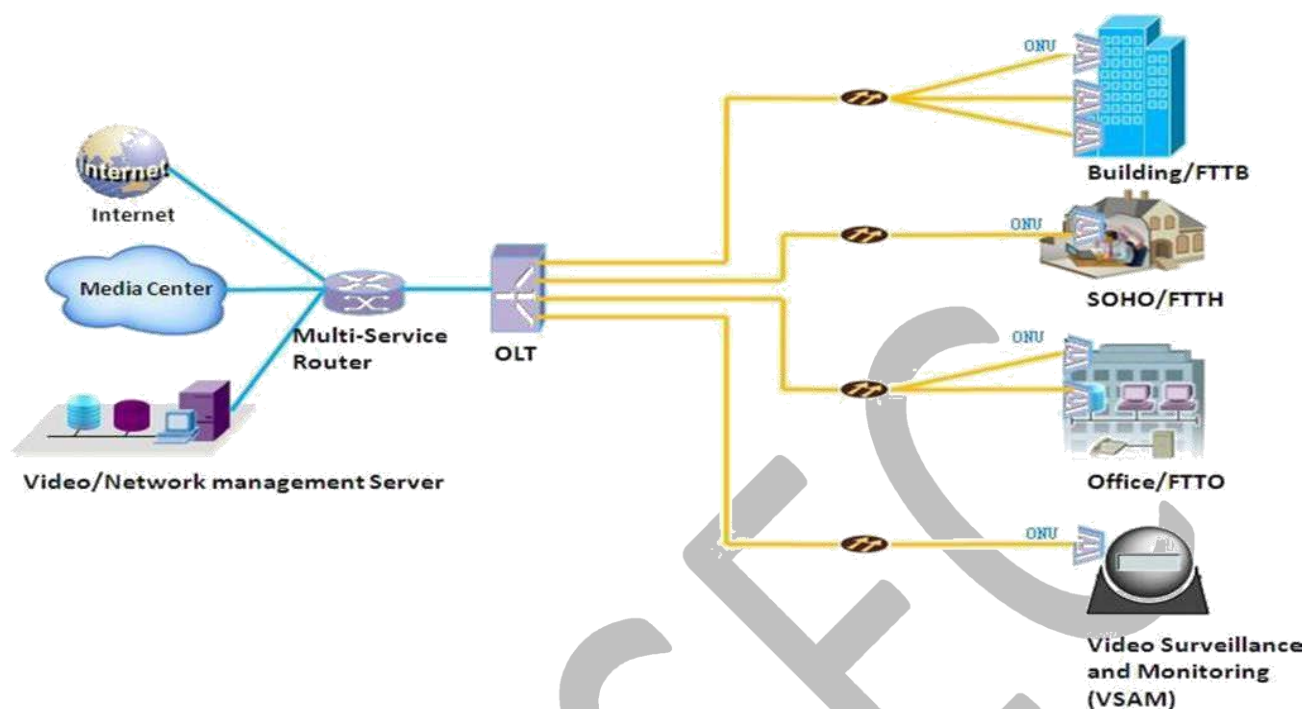


6. Application

- Typical Solution : FTTH(Fiber To The Home)
- Typical Business : INTERNET、IPTV、WIFI、VOIP etc



HK739XH Application Diagram



All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for products set forth our standard terms and conditions of sale



SCAN QR CODE