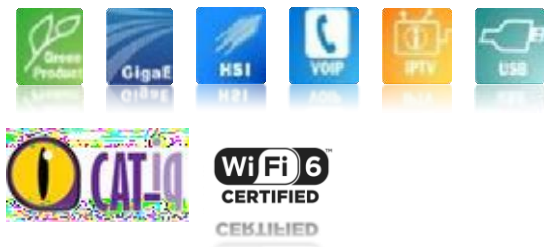# Wireless Dual Band Gigabit Modem Router
ZXHN H3640

Product Highlights

- Dual band concurrent Wi-Fi 6 up to1700Mbps enables multiple wireless HD video streams
- Advanced telephony features with embedded DECT base station and VoIP functionalities
- Full Gigabit ports ensure ultrafast data transfer speeds
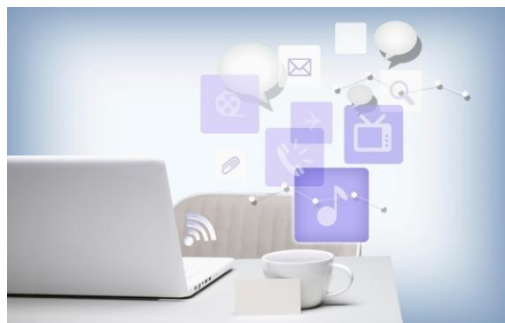- USB 2.0 & 3.0 for shared storage or3G/LTE Dongle

Overview

ZXHN H3640 Wireless Dual Band Gigabit modem router is an incredibly fast router delivering Wi-Fi and Gigabit Ethernet speeds. With 802.11ax technology, you get 10x faster access than with similar 802.11n technology and more reliable streaming. A dedicated Gigabit Ethernet WAN port, which makes H3640 ideal for deployment in FTTH scenario. It delivers the speed and reliability needed for applications such as smooth, lag-free, multiple HD video streaming, multi-layer gaming, Voice over IP and ultra-fast speed for a secure and reliable connection to the Internet. Integrated DECT CAT-iq 2.0 base station could support high definition voice services. It cansupport up to five handsets and work seamlessly with CAT-iq 2.0 certifiable DECT handsets.

Wireless Dual Band Gigabit Modem Router Datasheet H3640

Features

Incredible Wi-Fi Speeds

High Quality Streaming

High Definition Voice

■ State-of-the-art 802.11ax and 802.11ac Dual Band Concurrent Wi-Fi

The H3640 supports 802.11b/g/n/ax Wi-Fi@2.4GHz(2x2:2) and 802.11a/n/ac/ax Wi-Fi@5GHz(4x4:4) in Dual-Band concurrent Wi-Fi mode. Its Wi-Fi speed can reach up to 1700Mbps, consisting of 300Mbps(802.11n 2x2 @2.4GHz) and 1267Mbps(802.11ac 4x4 @5GHz).

■ Integrated DECT Base Station for HD voice

Integrated DECT CAT-iq 2.0 base station could support high definition voice services . It can support up to five handsets and work seamlessly with CAT-iq 2.0 certifiable DECT handsets.

■ Effortless Support for Multiple HD Video Streams

With the 802.11ax Wi-Fi and Gigabit Ethernet interface, the H3640 Could support multiple HD video streams simultaneously and effortlessly.

■ Mature IPv6 Capability

With supporting IPv4/IPv6 Dual Stack, the H3640 helps operators and end users to achieve a future-proof network with smooth evolution.
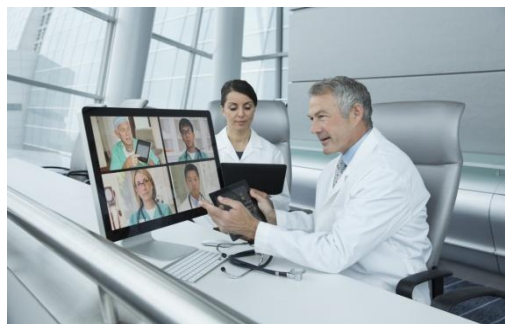
■ Advanced Content Sharing: DLNA Media Server

The H3640 can act as a DLNA Digital Media Server(DMS). Any DLNA Digital Media Player (DMP) connected to the network, could find and play all the media content including video, music and photos on the storage connected to the USB ports on H3640.

■ Quality of Service (QoS)

The QoS features on H3640 enable service providers to design QoS policies and prioritize mission-critical services such as IPTV and Internet freely based on their individual service plans. This in turn allows service providers to deliver real multi-play applications to users and increase network efficiency.

■ Robust TR-069 Remote Management

The H3640 works with TR-069 standard management specifications, allowing remote management and diagnosis, reducing the manpower needed for on-site maintenance, and increasing CSI (Customer Satisfaction Index). This unique feature not only offers users a true "plug-and-play" experience but also reduces deployment complexity, thereby saving operation and maintenance costs.

Wireless Dual Band Gigabit Modem Router Datasheet H3640

Technical Specifications

Hardware	
Interfaces	• 1x 10/100/1000Mbps RJ-45 WAN port (Gigabit) • 3x 10/100/1000Mbps RJ-45 LAN ports Gigabit • 2x RJ-11 FXS ports VoIP • 1x USB 2.0 port • 1x USB 3.0 port
Buttons	• Power ON/OFF • WPS • Reset • Wi-Fi
LEDs	• Power, Broadband, Internet, LAN, Voice, WLAN, WPS
Antenna	• Internal antennas
Wi-Fi	• Frequency: 2.4 GHz, 5GHz concurrency 11ac/ax • IEEE 802.11a/n/ac/ax Wi-Fi @ 5GHz(4x4:4) • IEEE 802.11b/g/n Wi-Fi @ 2.4GHz(2x2:2) • WEP/WPA/WPA2 Security • Up to three broadcast/hidden SSIDs on each band
DECT	• CAT-iq 2.0 ready • Up to 5 simultaneous handsets
USB	• File/ Printer sharing • DLNA DMS • USB backup/restore configuration • 3G/LTE dongle

Software	
Networking	• IPv4/IPv6 Dual Stack • NAT/PAT/ALG • Port mapping/DMZ/Virtual server • UPnP IGD with NAT traversal capability • Static routing/dynamic routing • Dynamic DNS relay • DHCP client/server • IGMP and MLD snooping/proxy
QoS	• Flexible packet classification • Up to eight queues • SP/DWRR/SP+DWRR • Wi-Fi Multimedia (WMM)

Wireless Dual Band Gigabit Modem Router Datasheet H3640

Technical Specifications

Software	
Security	• Stateful Packet Inspection (SPI) • Denial of Service (DoS) prevention • Multiple VPN (IPSec, PPTP,L2TP) passthrough • MAC/IP/URL filtering • Black and white list
Management	• TR-069 remote management • Web GUI management • Local built-in diagnostic function • Logs and statistics • Remote upgrade by HTTP/TR069

Others	
Electrical Characteristics	• AC adapter: 12V DC, 2.5A
Physical Characteristics	• Net weight: 700 g • Dimensions: 275 x 210 x 35 mm
Environmental Characteristics	• Operating temperature: 0 ° C~40° C(32° F ~ 104° F) • Humidity: 5% ~ 95% (non-condensing)
Certification	• CE certification • Wi-Fi certification

Note: Not every listed feature will be included in the shipping product. We reserve the right to make changes of technical specifications, housing or design without prior notice.

Wireless Dual Band Gigabit Modem Router Datasheet H3640

Connection Diagram

Application Scenario

3G/LTE Mobile Access Network

Internet

Laptop
Tablet
Smartphone
HDTV
STB
Online Gaming
DECT phone
GE WAN port
Telephone
3G/LTE dongle
PC
Printer

Broadband Access	Ethernet	Wi-Fi(5GHz)	DECT
3G/LTE Access	USB	Wi-Fi(2.4GHz)	
	Phoneline		