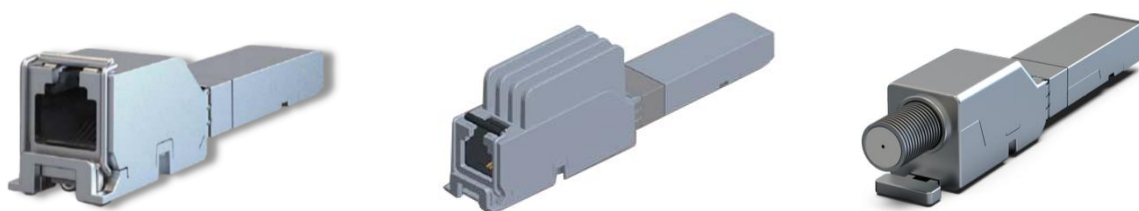


G. hn SFP

ZS-GHN381, G.hn Wave-2 **SISO** SFP Over RJ-11 Twist Pair Phone Line

ZS-GHN382, G.hn Wave-2 **MIMO** SFP Over RJ-11 Twist Pair Phone Line

ZS-GHN380, G.hn Wave-2 SFP Over **Coaxial**



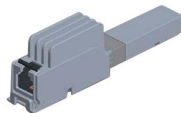
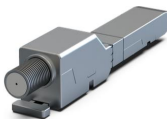
I Overviews

ZISA GHN38x SFP product family is a high performance G.hn Wave-2 Ethernet bridge for broadband services delivery using either existing phone line twisted pair cables or coax Up to 2 Gbps PHY rate. It integrates a Wave-2 G.hn digital baseband processor along with a corresponding analog front-end, system power supplies and surge protection circuitry into a compact small form-factor pluggable (SFP) module.

I Features

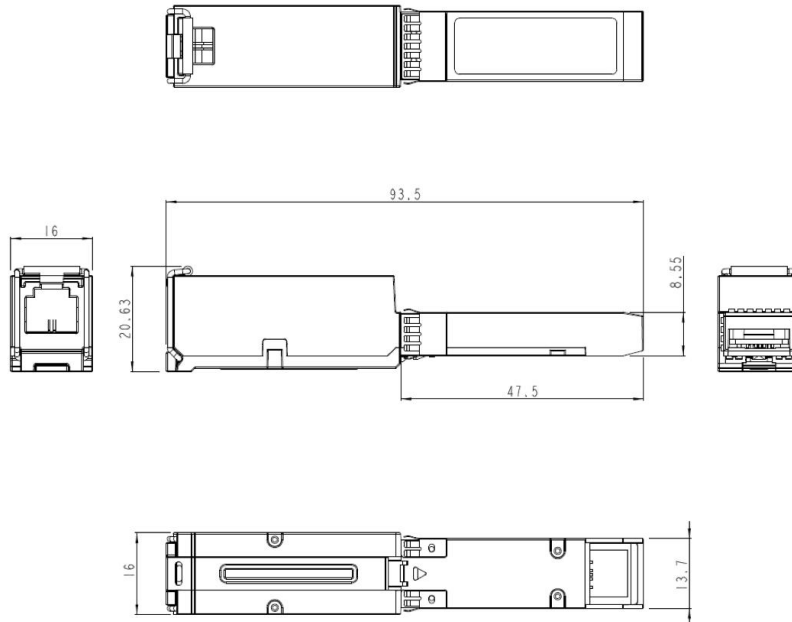
- Compact design, the smallest size in the industry
- Functions as a G.hn Wave-2/Ethernet SGMII bridge
- Highest performance PHY data rates up to 2 Gb/s
- Configurable downstream/upstream ratio
- Based on GigaWire specification and multi-vendor interoperable
- SFP MSA Compliant
- VectorBoost™ technology for broadband access
- K21 protection for lightning surge voltage
- Configurable as a domain master or end-point
- Can be managed by ZISA L2 switch with GAM software

I Specifications

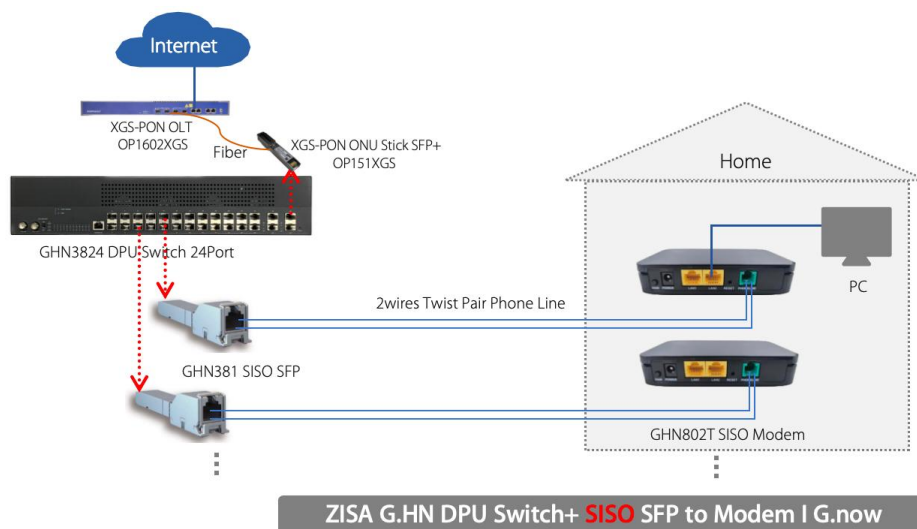
Model	ZS-GHN381		ZS-GHN382		ZS-GHN380	
Photo						
Models	GHN381	GHN381H	GHN382	GHN382H	GHN380	GHN380H
G.hn Standard Type	G.now	G.hn Home Networking	G.now	G.hn Home Networking	P to MP	G.hn Home Networking
Main features	G.hn SISO Phoneline SFP		G.hn MIMO Phoneline SFP		G.hn Coaxial SFP	
Interface	One G.hn link port (RJ-11) 2Wires Phone Line		One G.hn link port (RJ-11) 4Wires Phone Line		One G.hn link port (F-Connector) Coaxial Interface	
G.hn Chipsets	• MaxLinear 88LX5153 (DBB; Digital Baseband) • MaxLinear 88LX2741 (AFE; Analog Front End)		• MaxLinear 88LX5153 (DBB; Digital Baseband) • MaxLinear 88LX2741 (AFE; Analog Front End)		• MaxLinear 88LX5153 (DBB; Digital Baseband) • MaxLinear 88LX2741 (AFE; Analog Front End)	
G.hn Standards	• Compliant with the ITU-T G.hn recommendation • ITU-T G.9960 Support (G.hn PHY) • ITU-T G.9961 Support (G.hn Data Link) • ITU-T G.9962 Support (Management Spec) • ITU-T G.9963 Support • ITU-T G.9964 Support					
Power Consumption	1.98W		3W		1.98W	
PHY Rate	Up to 2Gbps Phone Line Speed		Up to 2.4Gbps Phone Line Speed		Up to 2Gbps Phone Line Speed	
Frequency Band	2 to 200 MHz		2 to 200 MHz		2 to 200 MHz	
features	• G.hn Wave-2 / Ethernet bridge functions • Supports VectorBoost™ technology for broadband access • Low-power and sleep mode support • Security 128 AES encryption • K.21 protection for lightning surge voltage • SFP MSA compliant					
Operating temperature	-40 °C to 65 °C		-40 °C to 65 °C		-40 °C to 65 °C	
Storage temperature	-10 °C to 70 °C		-10 °C to 70 °C		-10 °C to 70 °C	
Certifications	• UL 62368-1 , CE , K.21 • FCC Part 15B		• UL 62368-1 , CE , K.21 • FCC Part 15B		• CE/UKCA , K.21 • FCC Part 15B • CAN ES-003(B)/NMB-003(B)	
Dimensions	76.5 mm (L) × 16.0 mm (W) × 21.6 mm(H)		93.5 mm (L) × 16.0 mm (W) × 20.6 mm (H)		93.2 mm (L) × 16.0 mm (W) × 19.1 mm (H)	

I Applications

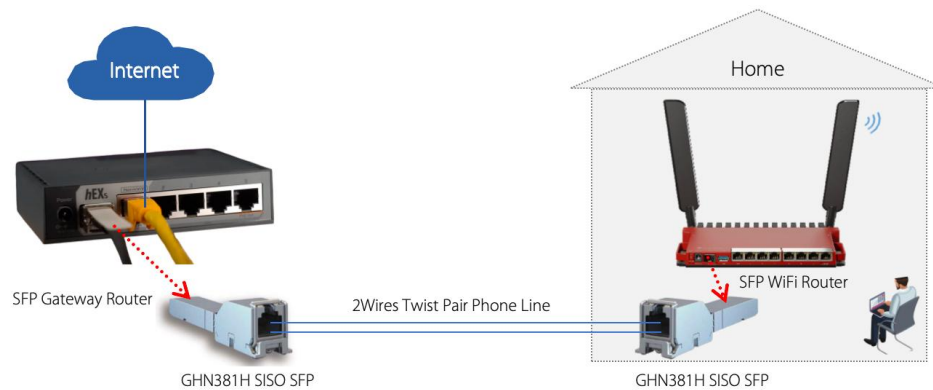
- G.hn SISO SFP



- G.hn SISO SFP G.now Mode

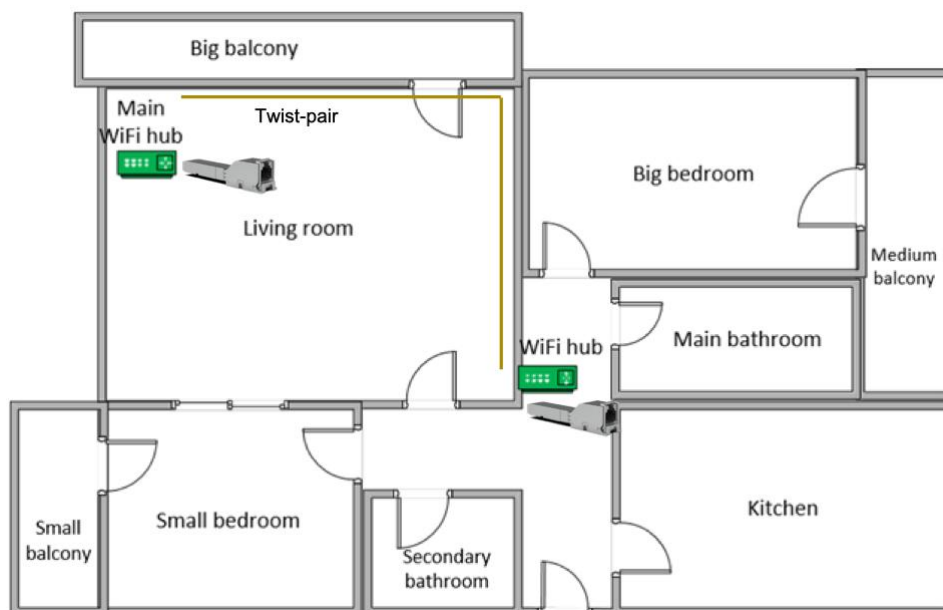


- G.hn SISO SFP Home Networking

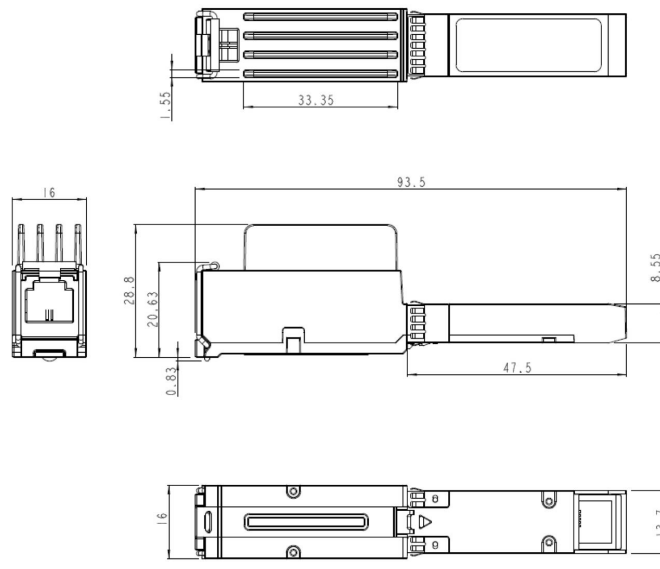


ZISA G.HN **SISO** SFP | Home Networking

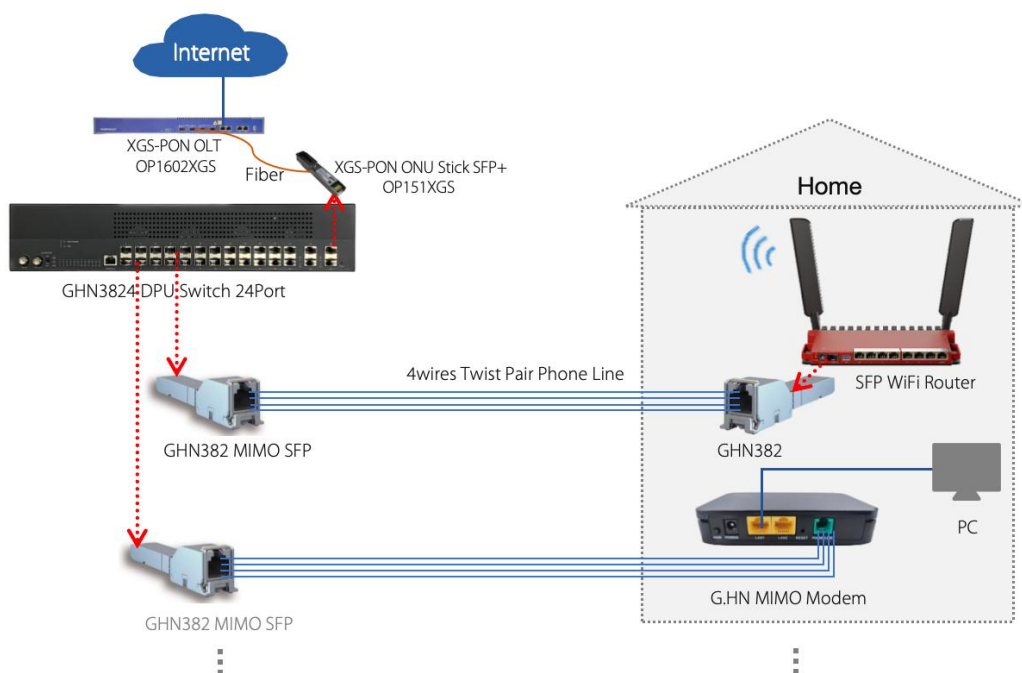
- G.hn SISO SFP Home Networking for WIFI6 Mesh Router Backhaul



- **G.hn MIMO SFP**

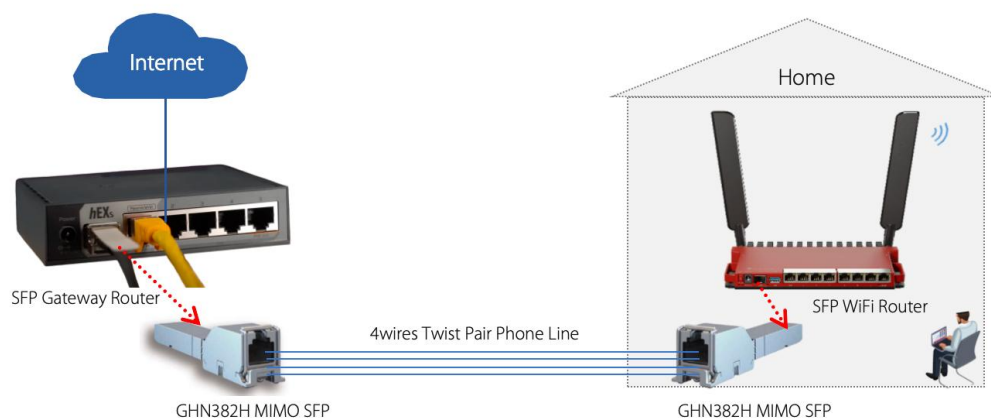


- **G.hn MIMO SFP G.now Mode**



ZISA G.HN DPU Switch+ **MIMO** SFP to Modem | G.now

- G.hn MIMO SFP Home Networking Mode

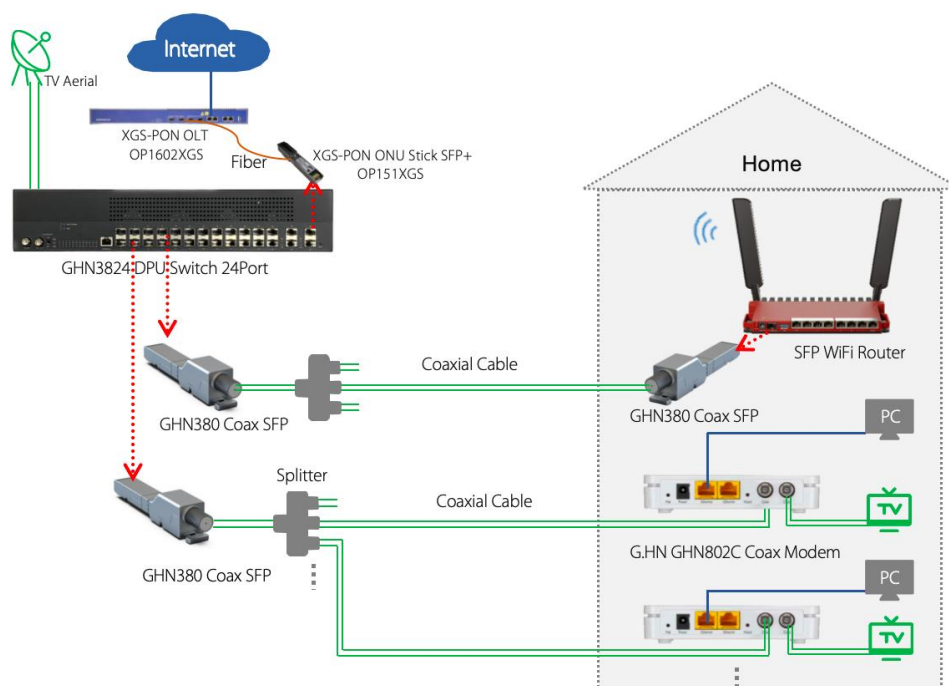


ZISA G.HN **MIMO** SFP | Home Networking

• G.hn Coaxial SFP

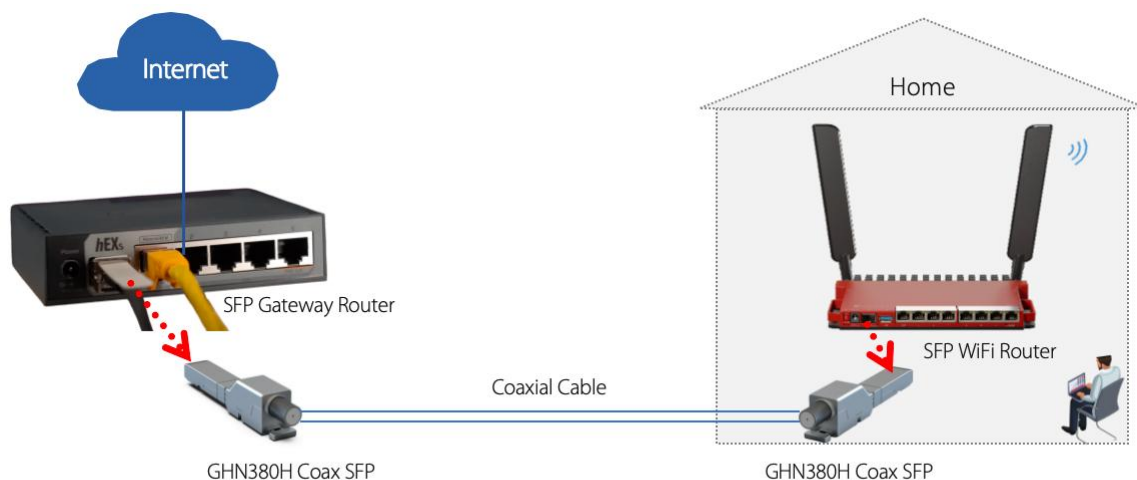


- G.hn Coax SFP P to MP Mode



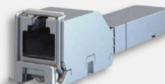
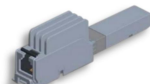
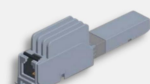
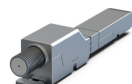
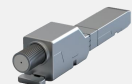
ZISA G.HN DPU Switch+ **Coaxial** SFP to Modem | P to MP

- G.hn Coax SFP Home Networking



ZISA G.HN Coaxial SFP I Home Netowrking

I Order Information

Models	Descriptions	Photos
ZS-GHN381	G.hn Wave-2 SISO SFP over 2 Wires Phoneline (Working Mode: G.now, SFP to CPE Modem)	
ZS-GHN381H	G.hn Wave-2 SISO SFP over 2 Wires Phoneline SFP For Home Networking (Working Mode: Home Netowrking, SFP to SFP Point to Point)	
ZS-GHN382	G.hn Wave-2 MIMO SFP over 4 Wires Phoneline (Working Mode: G.now, SFP to CPE Modem)	
ZS-GHN382H	G.hn Wave-2 MIMO SFP over 4 Wires Phoneline For Home Networking (Working Mode: Home Networking, SFP to SFP Point to Point)	
ZS-GHN380	G.hn Wave-2 MIMO SFP over Coaxial Cable (Working Mode: P to MP SFP to CPE Modem)	
ZS-GHN380H	G.hn Wave-2 MIMO SFP over Coaxial Cable (Working Mode: P to P SFP to SFP)	

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