

zGHN-3100C

G.hn Wave-2 SISO SFP Transceiver

HEIGHTS

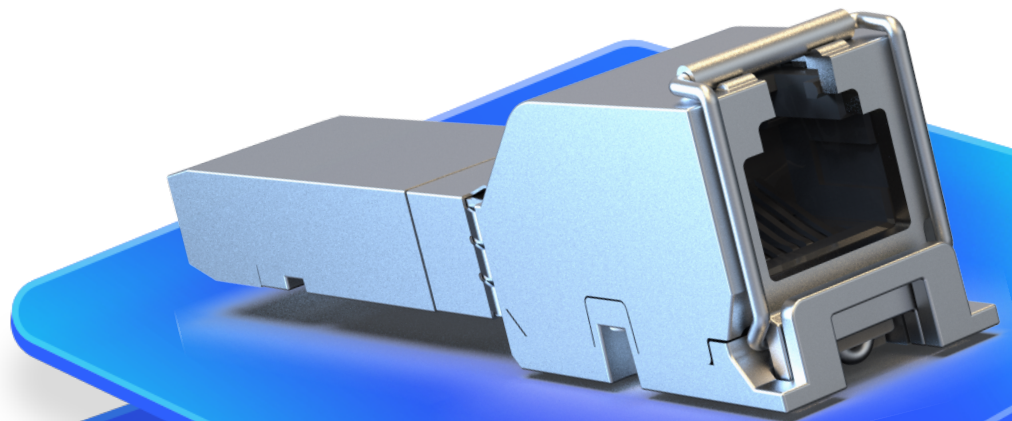
Main Chip

MaxLinear 88LX5153

MaxLinear 88LX2730

Bandwidth

Up to 2Gbps



Product Specifications



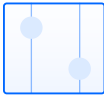
G.hn Uplink & Interface

G.hn Link Interface	1x RJ-11 Connector (Twisted-Pair / Phone Line)
Host Connector	SFP MSA Compliant Hot-Pluggable Interface
Standards Compliance	ITU-T G.hn (G.9960, G.9961, G.9962, G.9963, G.9964)
Frequency Band	2 MHz to 200 MHz



Security & Regulatory Compliance

Data Security	128-bit AES Hardware Encryption
Surge	ITU-T K.21 Lightning Surge Voltage Protection
Safety & EMC Compliance	UL 62368-1, CE, FCC Part 15B, UKCA, CAN ICES-003(B)/NMB-003(B), ITU-T K.21



Performance & Layer 2 Features

Maximum	Up to 2 Gbps
UDP Throughput (50m Cat5)	880 Mbps TX/RX 630 Mbps Bi-directional
UDP Throughput (300m Cat5)	500 Mbps TX/RX 200 Mbps Bi-directional
Bridging Functionality	G.hn Wave-2 to Ethernet Bridge Functions
Power Management	Low-Power and Sleep Mode Support



Physical Features

Dimension	76.5mm x 16.0mm x 21.6mm
Weight	<40g
Power Supply	DC 3.3V (via SFP Host Interface)
Consumption	< 1.98W Active Power Consumption
Operating Temperature	0°C to 40°C
Operating Humidity	Up to 80% RH (non-condensing)
Operating Temperature	-10°C to 60°C

