NVG578LX | NVG578LX GPON Gateway

Base Product

GPON Gateway with dual-band Wi-Fi 6

The NVG578LX is a cost-effective gateway for the GPON passive optical networking standard to deliver managed voice, video, data services with up to 2.5Gb/s symmetrical broadband.

GPON access (up to 2.5/1.25Gbps) is supported using cost-effective fiber on-board (BOSA) technology.

The LAN can make full use of the 2.5Gb/s access speeds with a 2.5Gb/s Ethernet port and high-performance Wi-Fi, that includes the latest Wi-Fi 6 (802.11ax) standard for enhanced performance.

Benefits of the NVG578LX include:

Gigabit home networking – 2.5Gb/s Ethernet capability with high-performance Wi-Fi, including options for 802.11ax.

A platform for new services - Support for Docker® containerization accelerates and simplifies deployment of new applications and services.

Robust and secure - The ARRIS 9.x Firmware is the result of over 17 years of development and use in major Telcos. It includes advanced security and Quality of Service (QoS) features, with extensive remote management features.

Product Classification

Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America	North America
Product Type	Passive optical network (PON) gateway

General Specifications

Access Technology	2.5G GPON
Ethernet Ports	1 x 2.5 GigE	3 x GigE
USB	USB 3.0
Voice	Yes
Voice Ports, quantity	1
Wi-Fi Interface Standard	IEEE 802.11b/g/n/ac/ax
Wi-Fi Band	2.4 GHz	5 GHz
Wi-Fi Interface Standard at 2.4 GHz	3x3, 802.11ax

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| **Wi-Fi Interface Standard at 5 GHz** | 4x4, 802.11ax |

Environmental Specifications

| **Operating Temperature** | 0 °C to +40 °C (+32 °F to +104 °F) |
| **Standards Compliance** | 2014/30/EU (EMC Directive) | 2014/35/EU (Low Voltage Directive) | 2014/53/EU (RED Directive) EN62368-1 (Safety) | EN 300 328 (RED, 2.4 GHz) | EN 300 386 (EMC) | EN 301 489-1 (EMC, Part 1) | EN 301 489-17 (RED, pending) | EN 301 893 (RED, 5 GHz) | EN 55024 (EMC, Immunity) | EN 55032 (EMC, Emissions) | EN 62368-1 (LVD - Safety) | FCC Part 15 Class B Subparts B, C, and E | ISED RSS-GEN / RSS-247, ICES-003 | ITU-T K.21 Basic (optional K.21 Enhanced) | UL/cUL 62368 |

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