

VCELINK PoE XPON ONU

RT009

Overview

The VCELINK PoE XPON ONU is designed for fiber-to-the-building (FTTB), fiber-to-the-office (FTTO), and passive optical LAN (POL) applications. It features 1 G/EPON uplink port and 24 PoE/PoE+ Gigabit Ethernet ports, delivering both data and power with a 360W PoE budget. Compliant with ITU-T G.984 and IEEE 802.3ah, it supports VLAN, loop detection, remote management, and secure ONU access. With a total PoE budget of 360W and 30W max per port, it's ideal for powering IP cameras, access points, and other network devices. Compact, rack-mountable, and built with industrial-grade reliability, the VCELINK PoE XPON ONU is an ideal solution for integrated fiber and Ethernet networks.



Benefits

GPON/EPON Dual-mode Automatic Switching

1.25 Gbps Uplink, 2.5Gbps Downlink

Provides 24 PoE+ Gigabit ports for data and power delivery

360W PoE budget, ideal for IP cameras and other powered devices

Easy remote management via Web, CLI, and SNMP

Compatible with most mainstream OLTs

Technical Specification

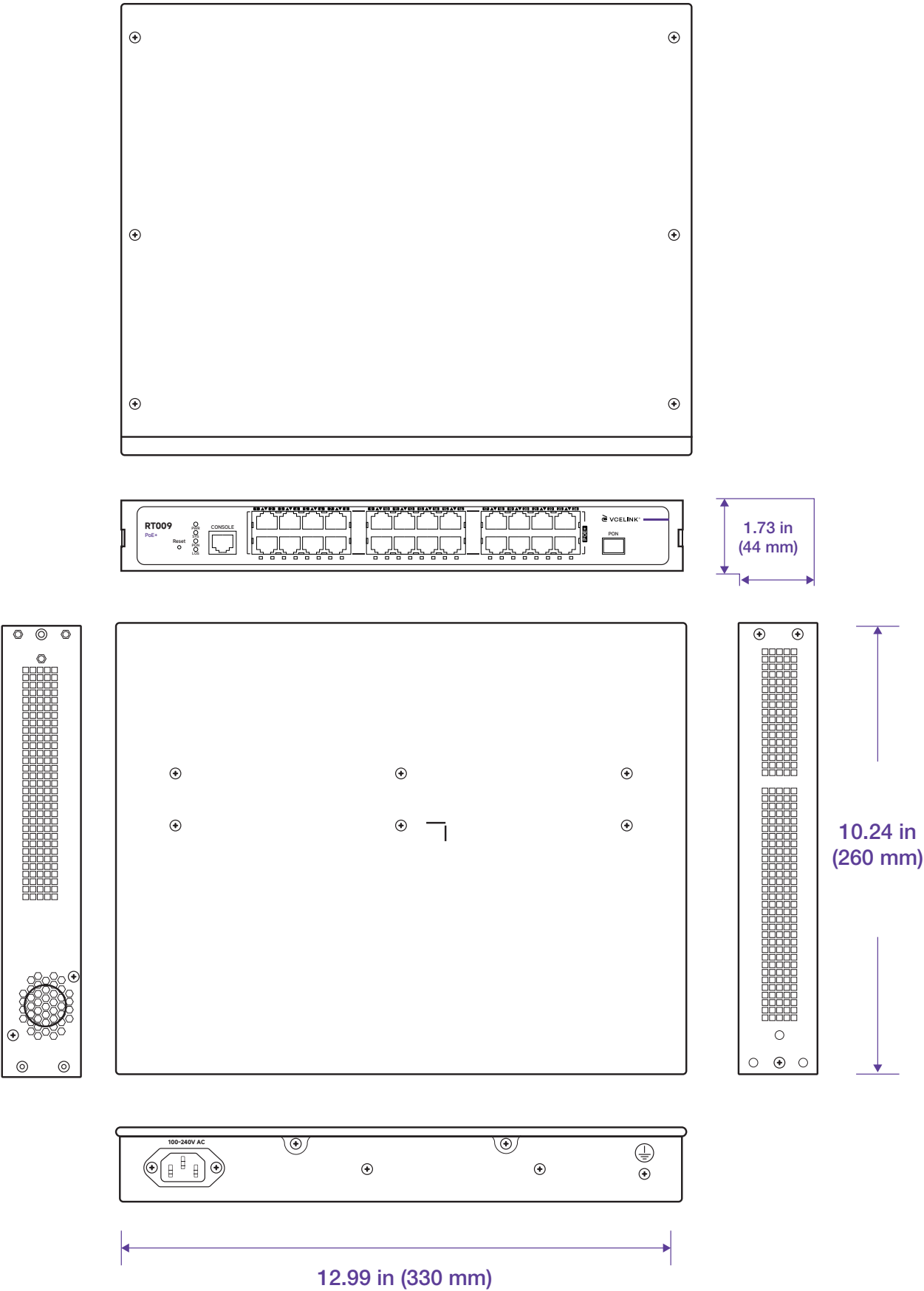
Parameter	Value	
Model	RT009	
Application	FTTB / FTTO / Passive Optical LAN (POL)	
PON Port	1 × GPON (SC/UPC, single-mode)	
LAN Ports	24 × 10/100/1000 Mbps RJ45 (PoE/PoE+)	
Console Port	1 × RJ45 Console	
Compliance Standards	ITU-T G.984, IEEE 802ah	
LAN Ports Specifications		
Features Supported	Auto MDI/MDI-X	
	Support full/half duplex	
PoE Standard	IEEE 802.3af / 802.3at (PoE/PoE+)	
Max PoE Budget	360W	
Max Per Port Output	30W	
PSE Output Voltage	48VDC	
Power Input	100-240VAC, 50/60 Hz	
Max Power Consumption	430W	
PON Port Specifications		
Attribute	GPON	EPON
Line Rate	2.488 Gbps Down / 1.244 Gbps Up, Class B+/C+	1000BASE-PX20 symmetric, 1.25 Gbps downstream/upstream
Transmit Power	0.5-5 dBm	0-4 dBm
Receive Sensitivity	-28 dBm	-27 dBm
Saturated Power	-8 dBm	-3 dBm
Wavelength (Tx/Rx)	1310 nm / 1490 nm	1310 nm / 1490 nm
Management & Features		
Features Supported	Web / CLI / SNMP management	
	VLAN / VLAN Stacking / QinQ	
	Loop detection / Port flow control	
	ONU auto-discovery / Link detection / Software remote upgrade	
	LOID + Password / SN (Serial Number) authentication	

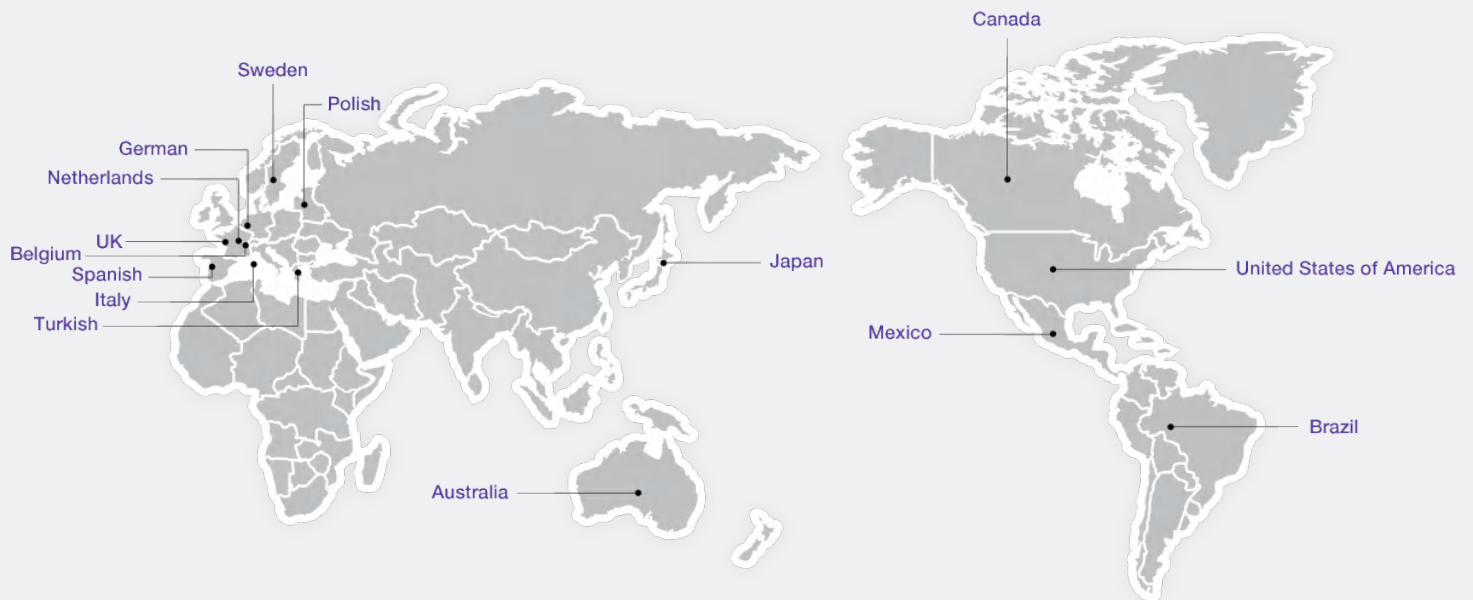
Technical Specification

Parameter	Value
Features Supported	AES encryption / DBA (Dynamic Bandwidth Allocation)
	IGMP/MLD Snooping / Broadcast storm suppression
	ACL / MAC address learning / Port-based rate limiting
Physical Parameters	
Dimensions (mm)	330 × 260 × 44 (L × W × H)
Dimensions (inch)	12.99 × 10.24 × 1.73 (L × W × H)
Weight	2.99 kg (6.59 lb)
Mounting	Rack-mountable (L-brackets included)
Cooling	Passive mesh ventilation
Environmental Specifications	
Operating Temperature	-10°C to 50°C
Humidity	10%–90% RH, non-condensing

Technical Specification

Unit	in/mm
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 <https://www.vcelink.com>

Company Profile

HANGZHOU HONGJIE ELECTRONICS CO., LTD, established in 2006, is headquartered in Hangzhou, China. Under its brand "VCELINK," the company specializes in the production and sale of high-quality network accessories, network cables, optical cables, patch cords, audio-video accessories, as well as various types of tools. These products are primarily used in the fields of structured cabling, computers, and the electronics industry. VCELINK offers personalized customization services to its customers, and in addition to online direct purchases, users can also choose bulk procurement or customized services, all aimed at meeting the unique needs of various customers.

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