

Z1

OpenLAN Gateway



INTRODUCTION

The Edge Gateway Z1 from Edgecore Networks is an open source, container-based platform. It is a compact, high-performance desktop appliance designed to bridge the gap between edge devices and cloud infrastructure. Z1 allows users to add more applications or integrate other platforms. Whether you're deploying gateway models at the edge or ensuring reliable network routing, the Z1 combines versatile hardware with advanced software to handle demanding environments with ease.

Key Features

- Wide range of supported VPN technologies
- Support static and dynamic routing protocols
- Multi-WAN Support
- QoS for traffic prioritization and shaping
- Firewall
- Central cloud management support: OpenWiFi CloudSDK-enabled controller

SPECIFICATIONS

HARDWARE	
Form Factor	• Desktop
Dimensions	• 23 cm x 17.6 cm x 4.4 cm (W x D x H)
Weight	• 670 g
Power	• DC Input:12V/3.0A
Interface	• WAN: 2 x 10/100/1000Base-T Ethernet or 2 x SFP • LAN: 4 x 10/100/1000Base-T Ethernet • Console: 1 x RJ-45 • USB ports: 2 x USB 3.0
Environmental Conditions	• Operating Temperature: 0°C (32°F) to 40°C (104°F) • Operating Humidity: 10% to 90% non-condensing

Software	
Addressing and Routing Protocols	• Static Routing (IPv4) • Policy Route • VRF • BGP • OSPFv2 • RIP • IGMP proxy • PIM-SM (Multicast)
MPLS & Overlay & L2VPN Supported Network Service	• MPLS LDPDHCP relay • VxLAN
Firewall	• Stateful Firewall • Connection Tracking • DNS filtering
VPN & Tunneling	• IPSec • WireGuard (site-to-site) • OpenVPN • OpenVPN site-to-site* • IPSec site-to-site*
Switching / L2	• Bridging • VLAN 802.1Q • Spanning Tree
Service	• DNS • DHCP • DHCP relay • DHCP client • Proxy ARP • Web Proxy • SSH • TFTP • LLDP • Hotspot / Captive Portal / Walled Garden* • Built-in RADIUS*
QoS	• Bandwidth Control
High Availability	• VRRP • WAN load balancing
Management	• PKI • SNMP • NTP • NetFlow / sFlow • Zero Touch Deployment • Auto Provisioning • Auto Discovery • OTA Firmware Upgrade • Provisioning and management: OpenWiFi CloudSDK-enabled controller
Network	• Configurable interface

*: Future Release