Airwall Gateway 175 Datasheet

LIT-12014384

www.johnsoncontrols.com
2025-03-25
4.0.1

Overview

Figure 1: Airwall Gateway 175

The Airwall Gateway 175 is a five-port gateway that connects and protects your edge devices. The Airwall Gateway forms a key component of the Airwall cybersecurity solution, which reduces the complexity, time, and cost associated with traditional networking and security methods.

The Airwall solution secures critical infrastructure using an identity-based, zero trust protocol. Use the Airwall solution to create private overlay networks based on encrypted tunnels and trusted cryptographic identities to cloak your devices and shrink your network attack surface.

Features

- A complete zero trust portfolio
- Securely connect anything, anywhere over any network
- Create private overlay networks on top of existing infrastructure, no need to rip and replace
- Easy to manage identity-driven policies
- Micro-segmentation with end-to-end encryption
- Reduces attack surface by 95% and complexity by 50-80%
- Based on Host Identity Protocol (HIP), an open IETF standard developed to fix the lack of mobility and security flaws of TCP/IP
- Single pane of glass management console, provides simple, scalable, extensible policy management between your devices

Technical specifications

Table 1: Technical specifications

Specification	Description
Physical and power specifications	
Ethernet ports	5 x 10/100/1000Base-T
Console port	1 x micro USB
USB ports	2 USB - not currently supported
Indicators	• 1 x fault LED • 1 x status LED
Power	• 12 V AC/DC power adapter, barrel plug, center positive • PoE: port 5, 15.4 W (802.3af class 3)
Temperature	• Operating: 0°C to 40°C (32°F to 104°F) • Storage: -45°C to 85°C (-49°F to 185°F)
Weight	Approximately 600 g (1.3 lbs)
Dimensions	Excluding antennas and DIN rail mount: • Width: 210 mm (8.25 in.) • Depth: 115 mm (4.5 in.) • Height: 38 mm (1.5 in.)
Performance specifications	
Throughput	• Encrypted: 84 Mbps, 12k PPS • Bypass: 165 Mbps, 16k PPS
Latency	Measured at 20% maximum throughput, one direction. • Encrypted: 8 ms • Bypass: 6 ms
Maximum protected devices	40 local protected devices
Maximum peer Airwall endpoints	50 concurrent HIP tunnels

Regulatory and compliance

Table 2: Regulatory and compliance

Export compliance	
HS code	8517620020
Hardware origin	Taiwan
ECCN	5A002.a.1
CCATS	Pending
Software origin	United States
Regulatory approvals	
US	FCC
Canada	IC / ISED
EU	CE, LVD, EMCD, RED(w), RoHS, REACH, WEEE
UK	UKCA

Table 2: Regulatory and compliance

Regulatory standards	
Electromagnetic compatibility	• FCC Part 15B class B • CAN ICES-3 (B) / NMB-3 (B) • EN 55032 : 2015 • EN 55024: 2010 • EN 55035: 2017 • Draft ETSI EN 301 489-1 V2.2.1 (w) • Final Draft ETSI EN 301 489-3 V2.1.1 (w) • Draft ETSI EN 301 489-17 V3.2.0 (w)
Electrical safety	• IEC 60950-1:2005+A1:2009+A2:2013 • EN 60950-1:2006+A2:2013
Radio	• ETSI EN 300 328 V2.1.1 (w) • ETSI EN 301 893 V2.1.1 (w) • ETSI EN 300 440 V2.2.1 (w) • FCC Part 15C, Part 15E (w)
EMR / Health	EN 62311:2008 (w)

Single point of contact

APAC	**EU**	**UK**	**NA/SA**
JOHNSON CONTROLS C/O CONTROLS PRODUCT MANAGEMENT NO. 32 CHANGJIANG RD NEW DISTRICT WUXI JIANGSU PROVINCE 214028 CHINA	JOHNSON CONTROLS VOLTAWEG 20 6101 XK ECHT THE NETHERLANDS	JOHNSON CONTROLS TYCO PARK GRIMSHAW LANE MANCHESTER M40 2WL UNITED KINGDOM	JOHNSON CONTROLS 5757 N GREEN BAY AVE. GLENDALE, WI 53209 USA

Contact info

Contact your local Johnson Controls representative: www.johnsoncontrols.com/locations

Contact Johnson Controls: www.johnsoncontrols.com/contact-us