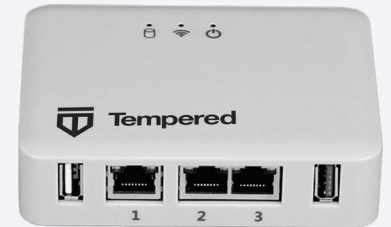


# Airwall 75 Series

## Hardware Specifications



### Physical and Power Specifications

#### Ethernet Ports

3 x 10/100/1000 Mbps RJ-45 ports

#### Console Port

1 x micro USB

#### Indicators

1x Power LED  
1x WiFi LED  
1x Activity/Status LED

#### DC Power Inputs

12V DC, 2A max  
5.5x2.1mm barrel jack, center positive  
Over-voltage protection  
Reverse-polarity protection

#### Storage Temperature

-45° to 85° C (-49° to 185° F)

#### Operating Temperature Range

0° to 40° C (32° to 104° F)

#### Weight

Approx. 153 g (.337 lbs.)

#### Dimensions

110mm W x 84.5mm D x 29.5mm H  
(4.33" W x 3.33" D x 1.16" H)

### Wireless LAN (Airwall 75w)

#### Modes

IEEE 802.11 a/b/g/n/ac

#### Modulation

DSSS, OFDM, DBPSK, DQPSK, CCK, 16-QAM, 64-QAM, and 256-QAM

#### Frequency Band

2.4GHz ISM radio band  
5GHz U-NII-1, U-NII-2A, U-NII-2C, U-NII-3 bands

#### Transmission Rate

802.11b: 1, 2, 5.5, 11Mbps  
802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54Mbps  
802.11n: Up to 150Mbps-single  
802.11n: Up to 300Mbps-2x2 MIMO  
802.11ac: Up to 192.6Mbps (20MHz channel)  
802.11ac: Up to 400Mbps (40MHz channel)  
802.11ac: Up to 866.7Mbps (80MHz channel)

#### Transmit Power

802.11a: 13dBm ± 2dBm @54Mbps  
802.11b: 17dBm ± 2dBm @11Mbps  
802.11g: 16dBm ± 2dBm @54Mbps  
802.11n: (2.4GHz, 20MHz, MCS7): 16dBm ± 2dBm  
802.11n: (2.4GHz, 40MHz, MCS7): 14dBm ± 2dBm  
802.11n: (5GHz, 20MHz, MCS7): 13dBm ± 2dBm  
802.11n: (5GHz, 40MHz, MCS7): 12dBm ± 2dBm  
802.11ac (20MHz, MCS8): 13dBm ± 2dBm  
802.11ac (40MHz, MCS9): 12dBm ± 2dBm  
802.11ac (80MHz, MCS9): 10dBm ± 2dBm

Note: Transmit power may be limited depending on regional SKU.

#### Supported Channels

2.4 GHz US, CA, JP, EU: 1-11  
2.4 GHz JP, EU only: 12, 13  
5 GHz US, CA, JP, EU: 36, 38, 40, 42, 44, 46, 48, 52, 54, 56, 58, 60, 62, 64, 100, 102, 104, 106, 108, 110, 112, 116, 132, 134, 136, and 140  
5 GHz US, JP, EU: 118, 120, 122, 124, 126, and 128  
5 GHz US, CA: 138, 149, 151, 153, 155, 157, 159, 161, 165, 169, and 173

## Performance Specifications

### Throughput

Encrypted: 84 Mbps, 12k PPS  
Bypass: 165 Mbps, 16k PPS

### Latency

Measured at 20% maximum throughput, one direction.  
Encrypted: 8.3 ms  
Bypass: 6.2 ms

### Max Protected Devices

25 local protected devices

### Max peer Airwall endpoints

50 concurrent HIP tunnels

## Export Compliance

### HS Code

8517620020

### Hardware Origin

China

### ECCN

5A002.a.1? TBD

### CCATS

Pending

### Software Origin

United States

## Regulatory Approvals by Country

### United States

FCC

### Canada

IC / ISED

### European Union

LVD, EMCD, RED(w), RoHS, REACH, WEEE

## Regulatory Standards Applied

### 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)

### Compliance Marks

CE, FCC

Standards with a (g) appended only apply to the Airwall 75w.