

# Airwall 150 Series

## Hardware Specifications



### Physical and Power Specifications

#### Ethernet Ports

4 x 10/100/1000 Mbps RJ-45 ports  
1 x SFP 1000BASE-X, SGMII

#### Console Port

1 x micro USB

#### Controls

1 x multi-purpose button (actuated with pin)

#### Indicators

4 x Signal strength  
1 x SIM  
3 x Power (P1/P2/PoE)  
1 x Map (Conductor Connection)  
1 x Status  
2 x Serial port activity (RX/TX)  
5 x Ethernet Link and Activity LEDs

#### DC Power Inputs

2x Redundant power inputs on terminal block  
DC 12-48 V 1.5A - 0.375A, 18W Max  
Over-voltage protection  
Reverse-polarity protection

#### PoE Power Input

Port 1: IEEE 802.3at, class 4  
Pin 1/2,7/8(-), Pin 3/6,4/5(+)  
Overload, surge, and short-circuit protection

#### Power Input Failover

Automatic failover between all inputs

#### Storage Temperature

-40° to 85° C (-40° to 185° F)

#### Operating Temperature Range

I-150e: -30° to 70° C (-22° to 158° F)  
150e: 0° to 70° C (32° to 158° F)

#### Operating Humidity

5% to 95%

#### Dimensions

155mm H x 55mm W x 100mm D  
(6.1in H x 2.16in W x 3.94in D)

#### Mounting

DIN-rail, wall-mount, or rubber feet

#### Weight

0.7 kg (1.54 lbs.)

### Serial Interface

#### Physical layer standards

RS-232 including RTS/CTS

#### Connector

DE-9M

#### Protocols

Modbus RTU, telnet, raw

### Regulatory Approvals by Country

#### United States

FCC  
cETLus

## Canada

IC / ISED  
cETLus

## Japan

VCCI

## Australia

ACMA EMC LN 2017

## New Zealand

EMC Standards Notice 2019

## European Union

LVD, EMC, RoHS, REACH, WEEE

## Regulatory Standards Applied

### Electromagnetic Compatibility

FCC Part 15B class A  
CAN ICES-3 (A)/ NMB-3 (A)  
VCCI-CISPR 32 Class A  
EN 55032: 2015 class A  
EN 55024: 2010/A1: 2015  
EN 61000-3-2: 2014  
EN 61000-3-3: 2013

### Electrical Safety

IEC 62368-1 2014 (Second Edition)  
UL 62368-1 Second Edition  
CAN/CSA C22.2 No. 62368-1-14  
AS/NZS 62368.1.2018  
J-62368-1 (H30)  
EN 62368-1:2014 + A11:2017

### Compliance Marks

cETLus, FCC, CE, RCM, VCCI

## Expansion modules

### SFF-MOD-S7588

LTE Category 4. Maximum 150 Mbps downlink, 50Mbps uplink.  
LTE FDD: B2, B4, B5, B13, B17

UMTS: B2, B5  
HSDPA Category 24 (Maximum 42.2 Mbps downlink)  
HSUPA Category 6 (Maximum 5.7 Mbps uplink)  
Maximum transmit power: 23 ± 2 dBm  
1x micro SIM card slot

Integrates a PTCRB, AT&T, and Verizon approved End Device  
Regulatory Approvals: FCC, IC / ISED

### SFF-MOD-MC7430

LTE Category 6.  
LTE FDD: Maximum 600 Mbps downlink, 50Mbps uplink  
LTE TDD: Maximum 222 Mbps downlink, 26Mbps uplink  
LTE FDD: B1, B3, B5, B7, B8, B18, B19, B21, B28,  
LTE TDD: B38, B39, B40, B41  
UMTS: B1, B5, B6, B8, B9, B19  
HSDPA Category 24 (Maximum 42.2 Mbps downlink)  
HSUPA Category 6 (Maximum 5.7 Mbps uplink)

TD-SCDMA: B39  
TD-SCDMA Maximum 2.8 Mbps downlink, 2.2 Mbps uplink

Maximum transmit power: 23 ± 1 dBm

2x micro SIM card slots (1 usable)

Regulatory Approvals: TELECOM, JATE, Giteki mark

## Export Compliance

### HS Code

8517620020 (Airwall 150)  
8517620010 (Expansion modules)

### Hardware Origin

China

### Software Origin

United States