MODEL NAME
Afero Secure Hub

AFERO MODEL NUMBER
ASH-1

WAN RF TYPE (OPTIONAL)
Dual-band LTE

NUMBER OF WAN ANTENNAS (OPTIONAL)
2

WAN ANTENNA CONFIGURATION
Internal

WLAN TYPE
802.11a/b/g/n 2×2 MIMO

WLAN RADIO FREQUENCIES
2.4 GHz and 5 GHz

NUMBER OF WLAN ANTENNAS
2 dual-band

WLAN ANTENNA CONFIGURATION
Internal

WLAN ENCRYPTION
64-bit WEP, 128-bit WEP, WPA-PSK, WPA2-PSK

BLUETOOTH RADIO
Bluetooth® Smart Wireless Technology (4.1)

NUMBER OF BLUETOOTH ANTENNAS
1

BLUETOOTH ANTENNA CONFIGURATION
Internal

SECURITY FEATURES
Cryptographic co-processor with secure, hardware-based key storage

LED INDICATORS
3

SPEAKER
Piezoelectric

BUTTONS
Reset button

USER INPUTS
Barcode reader

PORTS
Afero accessory expansion port

ACCESSORIES (OPTIONAL)
Ethernet adapter, backup battery

DIMENSIONS
104W x 127H x 68D mm

WEIGHT (EARTH MSL)
275 g

POWER
AC input: 110V~240V (50~60Hz)
DC output: 5V, 2.5A

OPERATING TEMPERATURE
0 to 40° C

STORAGE TEMPERATURE
-20 to 60° C

OPERATING HUMIDITY
10 to 80% non-condensing

STORAGE HUMIDITY
5 to 90% non-condensing

The **Afero Secure Hub**™ is a standalone wireless gateway designed to support devices that demand continuous connectivity. The Afero Secure Hub connects to the Afero Cloud using WLAN, or optional cellular WAN LTE technology.

The Afero Secure Hub ensures secure and reliable communication between the Afero Cloud and up to 25 devices equipped with an Afero Secure Radio Module (ASR-1). It also leverages the same secure, hardware-based, cryptographic key storage as ASR-1.

CONSUMER ELECTRONICS
Appliances, lighting, home automation

INDUSTRIAL
Sensors, asset tracking and inventory management, equipment monitoring

MEDICAL
Real-time patient monitoring, integrated healthcare information

AUTOMOTIVE
Vehicle telematics, driver behavior, field service workflow management

3 LEDs indicate power and connectivity state.

The Afero Secure Hub uses **Dynamic Hub Technology**™, which allows multiple hubs to provide seamless coverage to devices.

Device onboarding is fast and secure with the hub's integrated barcode reader. Swipe the device's barcoded card to initiate secure communication to the Afero Cloud. Add Ethernet support or a backup battery through the expansion port located on the base.

The Afero Hub features a barcode reader to quickly onboard new connected products.