



Home Smart Switch (with WiFi AC750 Extender)

THA-103AC (v1.0R)

- Quick app-based setup
- Turn a device on/off from any mobile internet connection
- Create a weekly on/off schedule
- AC750 extender: connects to either a WiFi AC or N router
- AC750 extender: broadcasts concurrent WiFi AC433 and N300 networks
- Free iOS® and Android™ app
- Requires a home wireless network

TRENDnet's Home Smart Switch with WiFi AC Extender, model THA-103AC, is a combination smart electrical outlet and powerful AC750 wireless extender. Use the free Apple® or Android™ mobile app from any internet connection to turn on and off a light, fan, electronic device, or appliance. Create a daily schedule to turn on/off the outlet to match your needs or to give the illusion that you're home. Place the THA-103AC in an area of your home with low wireless coverage – the powerful built-in WiFi extender connects to either an existing WiFi AC or WiFi N router and broadcasts two concurrent WiFi AC433 and N300 networks.



Remote On/Off

Create a weekly schedule or turn a light, or other device, on/off from an Android or iOS mobile device with TRENDnet's free app.



Power Protection

See how much power your device is consuming with real-time electrical consumption stats and overcurrent protection.



Blasts Away Deadspots

Connects to either a WiFi AC or N network and broadcasts concurrent WiFi AC433 and N300 networks into an area with low or no coverage.

Networking Solution

Smart Switch + Wireless AC750 Extender



Power Controller



Quick App-Based Setup

Complete the intuitive app-based setup in minutes



Remote Power Control

Turn a light, fan, electronic device, or appliance on/off from any mobile internet connection



On/Off Schedule

Create a weekly on/off schedule for a light, fan, or another device to match your needs or to give the illusion that you're home



No Clutter

The compact form factor stays off the ground by plugging directly into an outlet



Free App

TRENDnet's free iOS® and Android™ app controls multiple THA-103AC units and other TRENDnet home control devices from any internet connection



Power Consumption

See how much power your device is consuming with real-time electrical consumption information listed within the app



Over Current Protection

Trips relay when current exceeds 15 Amps

Wireless Extender



AC750 WiFi Extender

Connects to either an existing WiFi AC or WiFi N router and broadcasts two concurrent WiFi AC433 and N300 networks



External Antennas

Powerful external dual band antennas maximize WiFi coverage



One Touch Connection

Securely connect to the router at the touch of the Wi-Fi Protected Setup (WPS) button



LED Indicators

LED indicators convey device status



Compatibility

Works with legacy routers

Specifications

Smart Home App

- Quick in-app installation
- Power on/off the electrical outlet from any internet connection
- Create weekly on/off electrical outlet schedule
- View real time power consumption: Energy (KWh), current (A), voltage (V), power (W)
- Manage multiple units from the app

Hardware Standards

- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n (up to 300 Mbps)
- IEEE 802.11ac (up to 433 Mbps)

Device Interfaces

- Electrical outlet
- WPS Button
- Power switch
- LED indicators
- Reset button

Special Features

- Overcurrent protection
- Requires existing wireless network in order to function

Encryption

- Wireless encryption: WEP, WPA/WPA2-PSK

Media Access Protocol

- CSMA/CA with ACK

Antenna Gain

- 5 GHz: 4.5 dBi
- 2.4 GHz: 3.5 dBi, 4.1 dBi

Frequency

- 5.15 – 5.35 GHz, 5.47 – 5.825 GHz
- 2.412 - 2.484 GHz

Wireless Channels

- 5 GHz: FCC: 36, 40, 44, 48, 149, 153, 157, 161, 165; CE: 36, 40, 44, 48
- 2.4 GHz: FCC: 1 -1 1; CE: 1 - 13

Modulation

- 802.11b: DSSS with DBPSK, DQPSK and CCK
- 802.11g: OFDM with BPSK, QPSK and 16/64-QAM
- 802.11n: OFDM with BPSK, QPSK and 16/64-QAM
- 802.11ac: OFDM with BPSK, QPSK, 16-QAM

Wireless Output Power (EIRP)/Receiving Sensitivity (CE)

- 802.11b: 18.1 dBm /-80 dBm (typical) @ 11 Mbps
- 802.11g: 19.1 dBm/-68 dBm (typical) @ 54 Mbps
- 802.11n: 19.1 dBm/-62 dBm (typical) @ 300 Mbps
- 802.11a: 19.5 dBm/-70 dBm (typical) @ 54 Mbps
- 802.11an: 17.5 dBm /-65 dBm (typical) @ 150 Mbps
- 802.11ac: 17.5 dBm/-55 dBm (typical) @ 433 Mbps

Wireless Output Power (EIRP)/Receiving Sensitivity (FCC)

- 802.11b: 21.1 dBm/-80 dBm (typical) @ 11 Mbps
- 802.11g: 21.1 dBm /-68 dBm (typical) @ 54 Mbps
- 802.11n: 21.1 dBm /-62 dBm (typical) @ 300 Mbps
- 802.11a: 19.5 dBm/-70 dBm (typical) @ 54 Mbps
- 802.11an: 16.5 dBm/-65 dBm (typical) @ 150 Mbps
- 802.11ac: 16.5 dBm/-55 dBm (typical) @ 433 Mbps

Power

- 100 - 240 V AC, 50/60 Hz
- Consumption: 6 Watts max. (not including electrical outlet)

Power Capacity

- US: 1800 Watts, 15 Amps
- EU/UK: 3120 Watts, 13 Amps

Operating Temperature

- 0 - 40 °C (32 – 104 °F)

Operating Humidity

- Max. 95% non-condensing

Certifications

- CE
- FCC

Dimensions

- 94 x 59 x 37 mm (3.7 x 2.4 x 1.5 in.) without antennas
- 218 x 114 x 38 mm (8.6 x 4.5 x 1.5 in.) with antennas

Weight

- US: 176 g (6.2 oz.)
- UK: 202 g (7.1 oz.)
- EU: 194 g (6.4 oz.)

Warranty

- 3 year limited

Package Contents

- THA-103AC
- Quick Installation Guide
- CD-ROM (User's Guide)

* Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions.

