



Home Smart Switch (with Wireless Extender)

THA-101 (1.0R)

- Quick app-based setup
- Turn a device on/off from any mobile internet connection
- Powerful N300 wireless repeater extends your existing wireless network
- Create a weekly on/off schedule
- Free Apple® and Android™ app
- Requires a home wireless network

TRENDnet's Home Smart Switch with Wireless Extender, model THA-101, is a combination smart electrical outlet and powerful N300 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-101 in an area of your home with low wireless coverage – the powerful built-in N300 wireless extender connects to your existing wireless router and broadcasts a strong wireless network.

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 Apple® and Android™ app controls multiple THA-101 units 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 16 Amps

Wireless Extender



Wireless Extender

Extends the range of your existing Wireless network



N300 Wireless

Proven 300 Mbps Wireless N



Wireless Coverage

Extended wireless coverage with MIMO antenna technology



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 Wireless N and G routers

Networking Solution

Smart Switch + Wireless Extender



Specifications

Smart Home App

- Quick in-app THA-101 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 THA-101 units from the app

Hardware Standards

- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n (up to 300 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

- 2 x 2 dBi

Frequency

- 2.412 - 2.484 GHz

Wireless Channels

- FCC: 1-11, ETSI: 1-13

Modulation

- 802.11b: CCK (11 Mbps & 5.5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)

- 802.11g: OFDM with BPSK, QPSK and 16/64-QAM
- 802.11n: BPSK, QPSK, 16-QAM, 64-QAM with OFDM

Wireless Output Power (EIRP)/Receiving Sensitivity

- 802.11b: 17 dBm (typical)/-84 dBm (typical) @ 11 Mbps
- 802.11g: 14 dBm (typical)/-73 dBm (typical) @ 54 Mbps
- 802.11n: 14 dBm (typical)/-70 dBm (typical) @ 300 Mbps

Power

- 100 - 240 V AC, 50 /60 Hz
- Consumption: 6 Watts max.

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

- 93 x 58 x 37 mm (3.7 x 2.3 x 1.46 in.)

Weight

- US: 138 g (4.9 oz.)
- EU: 156 g (5.5 oz.)
- UK: 160g (5.6 oz.)

Warranty

- 3 year limited

Package Contents

- THA-101
- Multi-Language 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.

