

T7R Touchscreen | Model: T-R07-05-DWS0



Specifications

- 1024x600 HD touchscreen;
- IPS 170° full wide view angle;
- Wall spring-mounted;
- Processor - Broadcom BCM2711, quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz;
- Connectivity - 2.4 GHz and 5.0 GHz IEEE 802.11 ac wireless, Bluetooth 5.0, BLE, Gigabit Ethernet;
- Input Power - 5V, 2A operating input range;
 - Short circuit, overcurrent and over temperature protection;
 - 1.5m 18 AWG captive cable with USB-C output connector;
 - Available in four different models to suit different international power sockets;
- Operating Ambient Temperature - 32°F to 122°F (0°C to 50°C);
- Dimensions: 8.2" x 5.4" x 1.7" (208mm x 138mm x 43mm)
- Cutout Dimensions: 7.3" x 4.8" (186mm x 122mm)

Description

The **T7R Touchscreen** is a wall spring-mounted user interface paired with a gateway of small form factor, open source and widely used throughout the tech industry. With the ability to run the Linux Operating System it is a safe and secure solution to bridging many of the most commonly used IOT protocols.

Features

- Local control of the network;
- Network access from remote location (requires Ethernet or WiFi connectivity);
- Touchscreen configuration: settings, brightness, screensaver, light/dark mode, password lock;
- Display configuration: favorites, groups/area controls;
- Control: Scenes, on/off, intensity, CCT, HSL (full color), Air Quality values;
- BACnet control (requires BACnet Software Package).

Certifications



Installation

The **T7R Touchscreen** needs to be installed within 30 feet of the closest device within the Bluetooth Mesh network and for best operation be Ethernet hardwired; for WiFi connection, make sure signal at install location is strong.

Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:

<u>Outdoor (line of sight):</u>	200ft
<u>Indoor (through building material):</u>	
Glass:	100ft
Drywall:	70ft
Cinderblock:	60ft
Brick:	50ft
Concrete + rebar	0ft

Devices with external antenna should have the antenna outside any metal box and away from metal surfaces as metal reduces connectivity.

For design purposes a 60ft. maximum distance is appropriate for most installations.