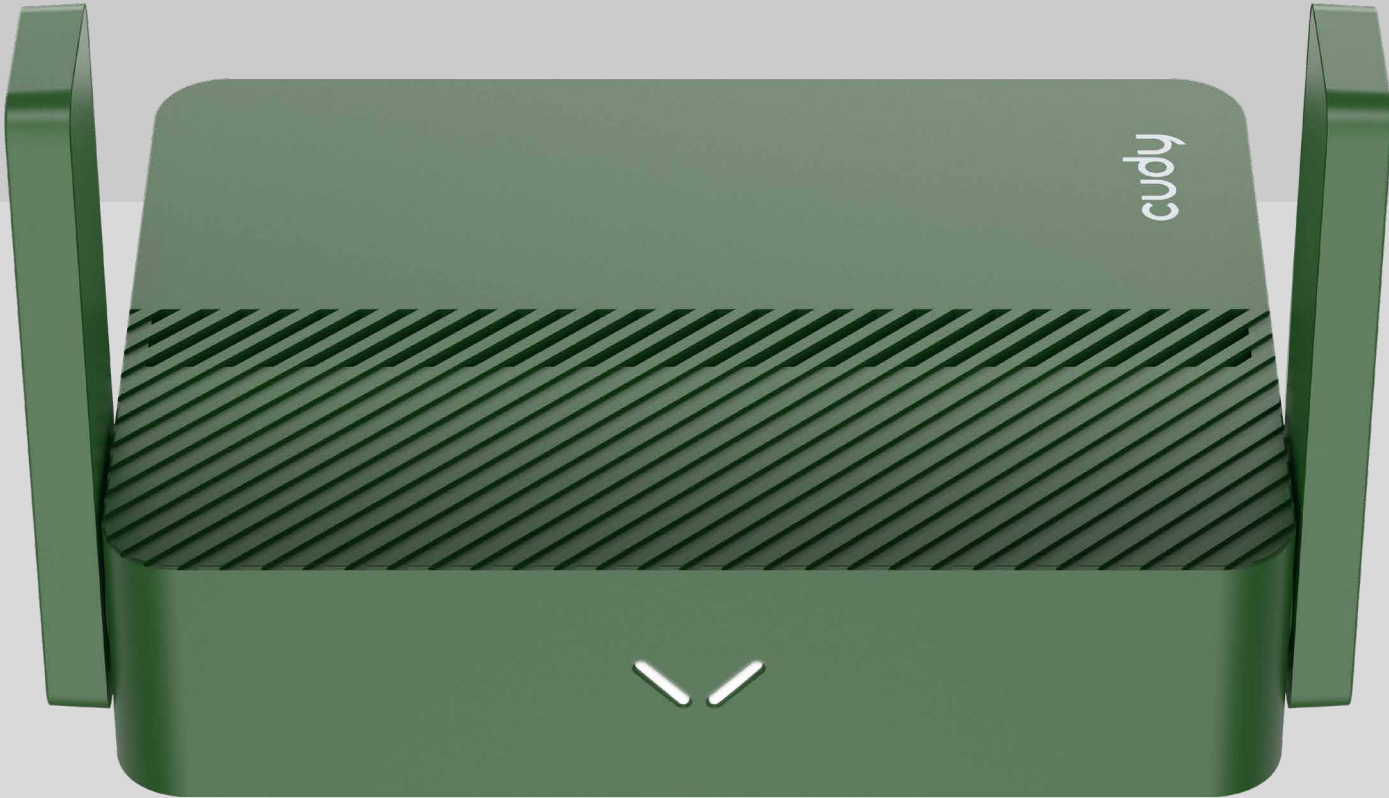




Model: TR3600

# BE3600

2.5G Wi-Fi 7 Travel Router





# Highlights

A USB-C powered mini Wi-Fi 7 router ideal for encrypt connections back to the office, sharing paid WiFi, and hosting a file server.

- MediaTek Dual-Core A53 CPU
- 2882 Mbps + 688 Mbps Wi-Fi
- 2× 2.5G Ethernet Ports
- 1× USB 3.0 Port
- Powering via USB-C
- 160 g (5.64 oz.)
- Cudy Mesh, VPN Server and Client
- Built-in Cooling Fan
- Cudy App, Cloud Control

# Package Content

- TR3600
- Ethernet Cable
- Power Adapter
- Installation Guide

# Hardware Specs

|                  |                       |                                                                                                                                                                                                                                    |
|------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU              | CPU Details           | 2.0 GHz Dual-Core, ARM Cortex-A53                                                                                                                                                                                                  |
| Memory/Storage   | Flash/ROM             | 256 MB (2 Gbit) NAND                                                                                                                                                                                                               |
|                  | DDR/RAM               | 512 MB (4 Gbit) DDR4                                                                                                                                                                                                               |
| Wireless         | 5 GHz Wi-Fi Speed     | 2882 Mbps                                                                                                                                                                                                                          |
|                  | 2.4 GHz Wi-Fi Speed   | 688 Mbps                                                                                                                                                                                                                           |
|                  | 5 GHz Wi-Fi Streams   | 2 Spatial Streams with 3T3R                                                                                                                                                                                                        |
|                  | 2.4 GHz Wi-Fi Streams | 2 Spatial Streams                                                                                                                                                                                                                  |
|                  | Wi-Fi Antennas        | 2× Fixed, 1× Internal                                                                                                                                                                                                              |
|                  | FEM or PA/LNA         | 5 GHz: 3× Internal                                                                                                                                                                                                                 |
|                  |                       | 2.4 GHz: 2× Internal                                                                                                                                                                                                               |
|                  | Beamforming           | ✓                                                                                                                                                                                                                                  |
|                  | Range Performance     | Max: 180 m (591 ft)<br><br>Tested in open-space environments with minimal interference. Actual WiFi range may vary depending on layout and wall materials. Refer to the Wall Performance specifications for placement suggestions. |
| Wall Performance |                       | Two wooden walls with thickness < 10 cm (4")<br><br>One concrete wall with thickness < 20 cm (7")<br><br>or two concrete walls with thickness < 10 cm (4")                                                                         |



# Hardware Specs

|                |                            |                                                       |
|----------------|----------------------------|-------------------------------------------------------|
| Interfaces     | 2.5G RJ45 Ports            | 2                                                     |
|                | Ethernet Notes             | 1× WAN port, 1× LAN port                              |
|                | USB-A 3.0 Ports            | 1                                                     |
|                | LED                        | System                                                |
|                | Physical Buttons           | Reset Button<br>Configurable DIP Switch               |
| Power          | Power Input Type           | USB-C Port                                            |
|                | Power Methods              | USB-C                                                 |
|                | Power Input                | 5V $\overline{\text{---}}$ 3A                         |
|                |                            | 9V $\overline{\text{---}}$ 2.2A                       |
|                |                            | 12V $\overline{\text{---}}$ 1.6A                      |
|                |                            | PD                                                    |
|                | Max Power Consumption (W)  | 15w                                                   |
|                | Idle Power Consumption (W) | 3.9w                                                  |
| Environment    |                            | Operating Temperature: 0 °C ~ 40 °C (32 °F ~104 °F)   |
|                |                            | Storage Temperature: -40 °C ~ 70 °C (-40 °F ~ 158 °F) |
|                |                            | Humidity: 10% ~ 90% non-condensing                    |
|                |                            | Storage Humidity: 5% ~ 95% non-condensing             |
| Certifications | FCC, CE                    |                                                       |

|                      |                          |                                           |
|----------------------|--------------------------|-------------------------------------------|
| Mechanical           | Cooling                  | Fan                                       |
|                      | Installation             | Desktop                                   |
|                      | Dimension                | Main Part:                                |
|                      |                          | 118×80×27.5 mm<br>4.65×3.15×1.08 inches   |
| Ordering Information | Retail Package Dimension | 176×140.5×56 mm<br>6.93×5.53×2.2 inches   |
|                      |                          | Units per Carton                          |
|                      | Carton Dimension         | 60×30×37.5 cm<br>23.62×11.81×14.76 inches |
|                      |                          |                                           |



# Software Specs

|          |                                |                       |
|----------|--------------------------------|-----------------------|
| Wireless | Wi-Fi Standards                | Wi-Fi 7               |
|          | Max Wi-Fi Modulation           | 4K-QAM                |
|          | Wi-Fi Efficiency               | MLO                   |
|          |                                | MRU                   |
|          |                                | Puncturing            |
|          |                                | OFDMA                 |
|          |                                | MU-MIMO               |
|          |                                | BSS Color             |
|          | Max Capacity                   | 256                   |
|          | Recommended Client Upper Limit | 120                   |
|          | Wi-Fi Channel Width            | Auto/20/40/80/160 MHz |
|          | Wi-Fi Security                 | WPA/WPA2/WPA3         |
|          | Guest Network                  | 2.4 GHz, 5 GHz        |
|          | WPS                            | ✓                     |
| General  | Operation Modes                | Wi-Fi Router          |
|          |                                | Access Point          |
|          |                                | Range Extender        |
|          |                                | WISP                  |
|          |                                | Client                |
|          | Mesh                           | Cudy Mesh             |
|          | Mesh Backhaul                  | Wireless Backhaul     |
|          |                                | Wired Backhaul        |

|         |                     |                        |
|---------|---------------------|------------------------|
| General | Multi-Band Backhaul | ✓                      |
|         | WAN Mode            | DHCP                   |
|         |                     | Static IP              |
|         |                     | PPPOE                  |
|         |                     | PPTP                   |
|         |                     | L2TP                   |
| Network | QoS                 | Per-User Rate Limiting |
|         |                     | Address Reservation    |
|         | DHCP                | DHCP Client List       |
|         |                     | Server                 |
|         | IP Versions         | IPv4/IPv6              |
|         |                     | Relay                  |
|         | IPv6 Protocols      | Dynamic (SLAAC/DHCPv6) |
|         |                     | Static (Fixed IP)      |
|         |                     | Passthrough            |
|         |                     | 464XLAT                |
|         |                     | MAP-E                  |
|         |                     | DS-Lite                |
|         | Multicast           | ✓                      |
|         | TTL Customization   | Extend                 |
|         |                     | Spoof                  |
|         |                     | Custom                 |



# Software Specs

|           |                           |                   |
|-----------|---------------------------|-------------------|
| Network   | IGMP                      | IGMP Proxy        |
|           |                           | IGMP Snooping     |
|           | Forwarding                | Port Forwarding   |
|           |                           | Port Triggering   |
|           |                           | UPnP              |
|           |                           | DMZ               |
|           | Firewall                  | SPI Firewall      |
|           |                           | DoS Protection    |
|           |                           | Block PING        |
|           | Application Layer Gateway | IPSec Passthrough |
|           |                           | L2TP Passthrough  |
|           |                           | PPTP Passthrough  |
|           |                           | FTP Passthrough   |
|           |                           | TFTP Passthrough  |
|           |                           | H323 Passthrough  |
|           |                           | SIP Passthrough   |
|           |                           | RTSP Passthrough  |
| Utilities | VPN Server                | WireGuard         |
|           |                           | OpenVPN           |
|           |                           | IPsec             |
|           |                           |                   |

|           |                        |                                          |
|-----------|------------------------|------------------------------------------|
| Utilities | VPN Server             | Zerotier                                 |
|           |                        | PPTP                                     |
|           |                        | L2TP                                     |
|           | VPN Client             | WireGuard                                |
|           |                        | OpenVPN                                  |
|           |                        | IPsec                                    |
|           |                        | Zerotier                                 |
|           |                        | PPTP                                     |
|           | VPN Performance        | L2TP                                     |
|           |                        | OpenVPN Client (UL/DL): 654 / 798 Mbps   |
|           |                        | OpenVPN Server (UL/DL): 558 / 566 Mbps   |
|           |                        | WireGuard Client (UL/DL): 636 / 637 Mbps |
|           |                        | WireGuard Server (UL/DL): 544 / 644 Mbps |
|           | DNS Options            | DNS over TLS                             |
|           |                        | Manual DNS                               |
|           |                        | Rebind Protection                        |
|           |                        | Override Clients' DNS                    |
|           | DNS over TLS Providers | Cloudflare                               |
|           |                        | Google                                   |
|           |                        | Quad9                                    |
|           |                        | Custom                                   |



# Software Specs

|            |                        |                      |
|------------|------------------------|----------------------|
| Utilities  | USB Functions          | Samba Server         |
|            |                        | Tethering            |
|            |                        | Wake on LAN          |
|            | Online Detection       | ✓                    |
| Management | Parental Controls      | Profiles Settings    |
|            |                        | Offline Time         |
|            |                        | Online Time          |
|            |                        | Pause the Internet   |
|            |                        | Web Filter           |
|            | All Devices Management | Wi-Fi Time Schedule  |
|            |                        | MAC Filter           |
|            |                        | IP/MAC Binding       |
|            | Per-Devices Management | Internet On/Off      |
|            |                        | VPN On/Off           |
|            |                        | Online Time Schedule |
|            |                        | Device Rename        |
|            | Content Management     | Domain Filter        |
|            |                        | IP Filter            |
| System     | LED Control            | ✓                    |
|            | Local Control Method   | Config Web Page      |
|            |                        | App Control          |

|        |                       |                                            |
|--------|-----------------------|--------------------------------------------|
| System | Remote Control Method | Config Page via HTTPS                      |
|        |                       | App Control                                |
|        |                       | TR069/TR098/TR111/TR143/TR181              |
|        | Firmware Upgrade      | Local Update                               |
|        |                       | App (Over the Air)                         |
|        |                       | Online Update                              |
|        | Reliability           | Timed Reboot                               |
|        |                       | Backup and Restore                         |
|        | Diagnostic Tools      | Diagnosis                                  |
|        |                       | Ping                                       |
|        |                       | Traceroute                                 |
|        |                       | NSLookup                                   |
|        |                       | System Log                                 |
|        | Languages             | • English • Bengali • Catalan • Czech      |
|        |                       | • German • Greek • Spanish • French        |
|        |                       | • Hebrew • Italian • Croatian • Hungarian  |
|        |                       | • Khmer • Korean • Dutch • Japanese        |
|        |                       | • Russian • Slovak • Swedish • Romanian    |
|        |                       | • Turkish • Vietnamese • Thai • Ukrainian  |
|        |                       | • Polish • Norwegian • Portuguese          |
|        |                       | • Simplified Chinese • Traditional Chinese |



# Software Specs

|           |        |                    |
|-----------|--------|--------------------|
| Dashboard | Panel  | Internet Status    |
|           |        | Mesh Status        |
|           |        | Devices Management |
|           |        | WAN Status         |
|           |        | LAN Status         |
|           |        | WISP Status        |
|           |        | Wi-Fi Status       |
|           |        | VPN Status         |
|           |        | DHCP Server Status |
|           |        | System Version     |
|           | Charts | Mesh Topology      |
|           |        | Internet Speed     |
|           |        | WISP Speed         |
|           |        | Wi-Fi Speed        |