

# Specifications

## Eaton MTB4-DOCK02



Thunderbolt 4 Dock, Quad Display - 8K  
Thunderbolt and DisplayPort, 4K HDMI and  
DisplayPort, USB-C and USB-A Ports, 2.5  
GbE, 96W PD Charging



### General specifications

|                             |                                         |
|-----------------------------|-----------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Tripp Lite series docking station |
| <b>CATALOG NUMBER</b>       | MTB4-DOCK02                             |
| <b>UPC</b>                  | 037332295750                            |
| <b>PRODUCT LENGTH/DEPTH</b> | 3.35 in                                 |
| <b>PRODUCT HEIGHT</b>       | 1.12 in                                 |
| <b>PRODUCT WIDTH</b>        | 8.86 in                                 |
| <b>PRODUCT WEIGHT</b>       | 1.31 lb                                 |
| <b>COMPLIANCES</b>          | FCC Class B<br>RoHS<br>WEEE Directive   |
| <b>CERTIFICATIONS</b>       | CSA Std. C22.2<br>ICES<br>UL 62368-1    |
| <b>GLOBAL CATALOG</b>       | MTB4-DOCK02                             |
| <b>PRODUCT TYPE</b>         | Docking station                         |

## Product specifications

|                                                 |                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TYPE</b>                                     | Docking Station                                                                                                                                                                                                                                                                                                                                              |
| <b>AMPERAGE RATING</b>                          | 3A                                                                                                                                                                                                                                                                                                                                                           |
| <b>AUDIO PORTS</b>                              | 3.5MM (FEMALE)                                                                                                                                                                                                                                                                                                                                               |
| <b>CHARGING PORTS DETAILS</b>                   | Thunderbolt 4 Host port supports up to 96W charging of the host (5V/9V/15V 3A; 20V/4.8A); (2) Thunderbolt 4 ports support 5V/3A (15W) downstream charging; (1) USB-C Gen2 port supports 5V/1.5A(7.5W) downstream charging; (1) USB-A Gen2 port supports 5V/1.5A (7.5W) downstream charging; (2) USB-A Gen1 ports support 5V/0.9mA (4.5W) downstream charging |
| <b>NUMBER OF CHARGING PORTS</b>                 | 7                                                                                                                                                                                                                                                                                                                                                            |
| <b>TOTAL CHARGING WATTS</b>                     | 150                                                                                                                                                                                                                                                                                                                                                          |
| <b>DEVICE COMPATIBILITY</b>                     | Computer<br>Laptop<br>Monitor/HDTV                                                                                                                                                                                                                                                                                                                           |
| <b>AC POWER ADAPTER PLUG(S)</b>                 | NEMA 1-15P North America                                                                                                                                                                                                                                                                                                                                     |
| <b>OPERATING HUMIDITY RANGE</b>                 | 10% to 85% RH (No Condensation)                                                                                                                                                                                                                                                                                                                              |
| <b>STORAGE HUMIDITY RANGE</b>                   | 5% to 90% RH (No Condensation)                                                                                                                                                                                                                                                                                                                               |
| <b>COLOR</b>                                    | Gray                                                                                                                                                                                                                                                                                                                                                         |
| <b>USB HUB PORTS</b>                            | Yes                                                                                                                                                                                                                                                                                                                                                          |
| <b>USB POWER DELIVERY (PD) CHARGING SUPPORT</b> | Yes                                                                                                                                                                                                                                                                                                                                                          |
| <b>IEEE STANDARDS SUPPORTED</b>                 | 802.3                                                                                                                                                                                                                                                                                                                                                        |
| <b>CHARGING METHOD</b>                          | USB                                                                                                                                                                                                                                                                                                                                                          |
| <b>PRODUCT FEATURES</b>                         | 3D Video Supported<br>Battery Charging (5V/1.5A Port)<br>Driver Required<br>Extended Mode<br>HDR Support<br>Mirror Mode<br>MST Support<br>Multi-Resolution Support<br>EDID Support<br>DisplayPort Alt Mode<br>DSC Support                                                                                                                                    |

## Resources

|                                         |                                                                                                                                                                                                             |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                         | Ethernet Support<br>Security Lock<br>EDID Compatible                                                                                                                                                        |
| USB SPECIFICATION                       | USB 3.2 Gen 1 (up to 5 Gbps)<br>USB 3.2 Gen 2 (Up to 10 Gbps)<br>USB4 (up to 40 Gbps)                                                                                                                       |
| COLOR DEPTH                             | 36-bit Deep Color                                                                                                                                                                                           |
| NETWORK SPEED                           | 10 Mbps<br>100 Mbps (Fast Ethernet)<br>1 Gbps (Gigabit)<br>2.5 Gbps                                                                                                                                         |
| CHARGING PORT TYPE                      | THUNDERBOLT 4 (USB-C FEMALE)<br>USB A (FEMALE)<br>USB C (FEMALE)                                                                                                                                            |
| PACKAGING TYPE                          | Box                                                                                                                                                                                                         |
| CHROMA SUB SAMPLING                     | 4:2:0<br>4:2:2<br>4:4:4                                                                                                                                                                                     |
| PLUG COLOR                              | White<br>Blue                                                                                                                                                                                               |
| EXTERNAL POWER<br>SUPPLY CERTIFICATIONS | DOE<br>cUL                                                                                                                                                                                                  |
| POWER SOURCE TYPE                       | AC Adapter with detachable power cord                                                                                                                                                                       |
| HDCP SPECIFICATION                      | 1.4                                                                                                                                                                                                         |
| SIDEA CONNECTOR1                        | THUNDERBOLT 4 (USB-C FEMALE)                                                                                                                                                                                |
| SIDEB CONNECTOR1                        | USB C (FEMALE)<br>USB A (FEMALE)                                                                                                                                                                            |
| SIDEA CONNECTOR2                        | USB C (FEMALE)                                                                                                                                                                                              |
| SIDEB CONNECTOR2                        | RJ45 (FEMALE)                                                                                                                                                                                               |
| DATA PORTS                              | USB-A - USB 3.2 Gen 1 (5 Gbps)<br>USB-A - USB 3.2 Gen 2 (10 Gbps)<br>USB-C - USB 3.2 Gen 2 (10 Gbps)<br>USB-C - Thunderbolt 4 (40 Gbps)<br>THUNDERBOLT 4 (USB-C FEMALE)<br>USB A (FEMALE)<br>USB C (FEMALE) |
| SIDEA CONNECTOR3                        | USB A (FEMALE)                                                                                                                                                                                              |
| SIDEB CONNECTOR3                        | DISPLAYPORT (FEMALE)<br>USB A (FEMALE)                                                                                                                                                                      |
| DISPLAYPORT SPECIFICATION               | 1.4                                                                                                                                                                                                         |
| SIDEA CONNECTOR4                        | MICRO SD (FEMALE)                                                                                                                                                                                           |

|                                                  |                                                                                                                                                                         |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>VOLTAGE COMPATIBILITY (VAC)</b>               | 120 VAC<br>125 VAC                                                                                                                                                      |
| <b>SIDE B CONNECTOR4</b>                         | HDMI (FEMALE)                                                                                                                                                           |
| <b>HOST CONNECTOR</b>                            | THUNDERBOLT 4 (USB-C FEMALE)                                                                                                                                            |
| <b>SIDE A CONNECTORS5</b>                        | SD (FEMALE)                                                                                                                                                             |
| <b>SIDE B CONNECTORS5</b>                        | THUNDERBOLT 4 (USB-C FEMALE)                                                                                                                                            |
| <b>TECHNOLOGY</b>                                | DisplayPort<br>HDMI<br>Thunderbolt<br>USB4                                                                                                                              |
| <b>NETWORK COMPATIBILITY</b>                     | 10 Mbps<br>100 Mbps (Fast Ethernet)<br>1 Gbps (Gigabit)<br>2.5 Gbps                                                                                                     |
| <b>CHARGING PORTS</b>                            | USB-A: 0.9A<br>USB-A: 5V 1.5A (7.5W)<br>USB-C: 100W (20V 5A)<br>Power Delivery (PD 3.0)                                                                                 |
| <b>VIDEO PORTS DETAILS</b>                       | Thunderbolt 4; HDCP 1.4;<br>DisplayPort 1.4; HDCP 2.3                                                                                                                   |
| <b>DATA TRANSFER RATE</b>                        | 10 Gbps<br>40 Gbps<br>5 Gbps                                                                                                                                            |
| <b>BANDWIDTH</b>                                 | 40 Gbps                                                                                                                                                                 |
| <b>SUPPORTED RESOLUTION</b>                      | 3840x2160 (4K)<br>7680 x 4320 (8K)                                                                                                                                      |
| <b>AC POWER ADAPTER INPUT SPECS (V / HZ / A)</b> | 100 - 240VAC, 50/60Hz,<br>2.5A MAX                                                                                                                                      |
| <b>AC POWER ADAPTER OUTPUT SPECS (V / A)</b>     | 21.0VDC, 7.1A                                                                                                                                                           |
| <b>AC POWER ADAPTER CORD LENGTH</b>              | 3.28 ft                                                                                                                                                                 |
| <b>NUMBER OF PORTS</b>                           | 16                                                                                                                                                                      |
| <b>NUMBER OF USB HUB PORTS</b>                   | 6                                                                                                                                                                       |
| <b>TOTAL NUMBER OF PORTS</b>                     | 16                                                                                                                                                                      |
| <b>NUMBER OF MONITORS SUPPORTED</b>              | 4                                                                                                                                                                       |
| <b>AUDIO PORTS DETAILS</b>                       | DAC Supports<br>44.1/48/96/192KHz/384KHz<br>sample rate, 24/32-Bit;<br>Supports stereo audio or<br>microphone input;<br>Automatic detection switch<br>to CTIA/OMTP mode |
| <b>CARD SLOTS DETAILS</b>                        | <ul style="list-style-type: none"><li>SD 4.0 and TF 4.0<br/>slots support SD 4.0</li></ul>                                                                              |

|                                                |                                                                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                | <div>data transfer speeds up to 312Mbps</div> <div><div>• Both slots can be used simultaneously</div></div>                                                                         |
| LED INDICATORS                                 | Power LED: bright orange for power, blue for connection to host; RJ45 LED: orange light turns on when network connection is established, green light flashes when transmitting data |
| OPERATING TEMPERATURE RANGE                    | 32° to 113°F (0° to 40°C)                                                                                                                                                           |
| STORAGE TEMPERATURE RANGE                      | 14° to 158°F (-10° to 70°C)                                                                                                                                                         |
| MAX SUPPORTED VIDEO RESOLUTION                 | 7680 X 4320 30HZ (8K)                                                                                                                                                               |
| POWER PROVIDED TO CONNECTED DEVICE(S)          | Host Charging: 96W; Sum of 7 USB Hub Ports: 130W (Shared)                                                                                                                           |
| DATA PORTS DETAILS                             | USB-A - USB 3.2 Gen 1 (5 Gbps)<br>USB-A - USB 3.2 Gen 2 (10 Gbps)<br>USB-C - USB 3.2 Gen 2 (10 Gbps)<br>USB-C - Thunderbolt 4 (40 Gbps)                                             |
| NETWORK PORTS                                  | RJ45 (FEMALE)                                                                                                                                                                       |
| CARD SLOTS                                     | MICRO SD (FEMALE)<br>SD (FEMALE)                                                                                                                                                    |
| THUNDERBOLT SPECIFICATION                      | Thunderbolt 4 (up to 40Gbps)                                                                                                                                                        |
| VIDEO INPUT                                    | THUNDERBOLT 4 (USB-C FEMALE)                                                                                                                                                        |
| VIDEO OUTPUT                                   | DISPLAYPORT (FEMALE)<br>HDMI (FEMALE)<br>THUNDERBOLT 4 (USB-C FEMALE)                                                                                                               |
| VIDEO PORTS                                    | DISPLAYPORT (FEMALE)<br>HDMI (FEMALE)<br>THUNDERBOLT 4 (USB-C FEMALE)                                                                                                               |
| USB POWER DELIVERY (PD) CHARGING SPECIFICATION | 3                                                                                                                                                                                   |
| SD CARD SPECIFICATION                          | Micro SD<br>SD                                                                                                                                                                      |
| SIDEA CONNECTORS6                              | 3.5MM (FEMALE)                                                                                                                                                                      |

|                 |
|-----------------|
| PROJECT NAME:   |
| PROJECT NUMBER: |
| PREPARED BY:    |
| DATE:           |



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