# UPort 400A Series

*4 and 7-port industrial-grade USB 3.2 hubs*

### Features and Benefits

- USB-IF certification
- USB 3.2 SuperSpeed capability
- Latching USB cable design for firmer connection
- Comprehensive diagnostic LEDs
- Dual power inputs (power jack and terminal block)
- DIN-rail housing and wall-mountable housing
- Rugged metal housing

### Certifications

## Introduction

The UPort® 400A Series industrial-grade USB 3.2 hubs can expand an USB port into 4 or 7 USB ports. The hubs are designed to provide true USB 3.2 Gen 1 SuperSpeed 5 Gbps data transmission rates through each port, even for heavy-load applications. The UPort® 400A has been awarded the USB-IF SuperSpeed certification, which is an indication that the product is a reliable high-quality USB 3.2 hub. In addition, the hubs are fully compliant with the USB plug-and-play spec and provide full 900 mA power per port, ensuring that your USB devices function properly. The UPort® 400A hubs support a 12 to 48 VDC power range, which make them ideal for mobile applications. Externally powered USB hubs are the only way to guarantee the broadest compatibility with USB devices.

### USB-IF Certification

The UPort® 400A USB 3.2 industrial-grade USB hubs have been awarded the USB-IF (USB Implementers Forum) certification. USB-IF verifies a number of strict electrical requirements for the SuperSpeed USB operation of USB hubs designed as per the USB 3.2/2.0 specification. This means that the UPort® 400A supports SuperSpeed USB 3.2 Gen 1 for up to 5 Gbps USB transmission, is fully compliant with interoperability requirements, has enough power for devices to function, and facilitates a smooth transition back to SuperSpeed operation from the suspended state.

### ESD Level 4 Protection

Electrostatic discharge (ESD) could be as severe as having more than 1,000 volts of ESD with a high rise-time (dv/dt) breaking through the junction layer of protective devices. In order to avoid serious damage, Moxa's UPort® 400A Series USB hubs provide ESD Level 4 (contact 8 kV, air 15 kV) protection, which increases the quality and value of the user's end product.

### USB Cable With a Firmer Connector

UPort® 400A comes with a USB cable that has a latch and screw lock for a more secure connection between the UPort and your computer.

## Specifications

| USB Interface | |
|---|---|
| USB Standards | USB 3.2 Gen 1<br>USB 1.1/2.0 compliant |
| Speed | 5 Gbps |
| USB Connector | UFP: type B<br>DFP: type A |
| No. of USB Ports | 8 (UFP: 1, DFP 7) for UPort 407A models<br>5 (UFP: 1, DFP 4) for UPort 404A models |

## Power Parameters

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|---|---|
| Input Voltage | 12 to 48 VDC<br>No. of power inputs: 2 |
| Power Connector | Power jack<br>3-pin terminal block |
| Reverse Polarity Protection | Supported |
| Input Current | UPort 407A Models: 4.75A @ 12 VDC<br>UPort 404A Models: 2.8A @ 12 VDC |
| Output Power Rating | Port 1: 900 mA / 1500 mA @ 5 VDC, BC 1.2 compliant<br>Rest of ports: 900 mA @ 5 VDC |

## Physical Characteristics

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|---|---|
| Housing | Metal |
| Dimensions | UPort 407A models: 80 x 27 x 140 mm (3.15 x 1.06 x 5.51 in)<br>UPort 404A models: 85 x 27 x 100 mm (3.35 x 1.06 x 3.94 in) |
| Weight | UPort 407A models: 350 g (0.77 lb)<br>UPort 404A models: 264 g (0.58 lb) |
| Installation | Wall mounting (with optional kit)<br>DIN-rail mounting (with optional kit) |

## Environmental Limits

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|---|---|
| Operating Temperature | Standard Models: 0 to 60°C (32 to 140°F)<br>Wide Temp. Models: -40 to 85°C (-40 to 185°F) |
| Storage Temperature (package included) | Standard Models: -20 to 75°C (-4 to 167°F)<br>Wide Temp. Models: -40 to 85°C (-40 to 185°F) |
| Ambient Relative Humidity | 5 to 95% (non-condensing) |

## Standards and Certifications

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|---|---|
| EMC | EN 55032/35 |
| EMI | CISPR 32, FCC Part 15B Class A |
| EMS | IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV<br>IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m<br>IEC 61000-4-4 EFT: Power: 2 kV<br>IEC 61000-4-5 Surge: Power: 2 kV<br>IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m<br>IEC 61000-4-8 PFMF |
| Safety | EN 62368-1<br>UL 62368-1<br>KC |
| Environmental Testing | IEC 60068-2-1 |
| Freefall | IEC 60068-2-34 |

## Declaration

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| Green Product | RoHS, CRoHS, WEEE |

## MTBF

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| Standards | Telcordia (Bellcore), GB |
| Time | UPort 407A Models: 1,467,922 hours (minimum)<br>UPort 404A Models: 2,107,973 hours (minimum) |

### Package Contents

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|---|---|
| Device | 1 x UPort 400A Series USB hub |
| Cable | 1 x USB 3.2 Gen 1 type A male to USB type B male cable with latch and screw lock, 1.2 M |
| Power Supply | 1 x power adapter, suitable for your region (for standard temperature models only) |
| Installation Kit | 1 x terminal block, 3-pin, 3.5 mm<br>4 x rubber stand<br>1 x wall-mounting kit<br>6 x Nylok screw |

### Warranty

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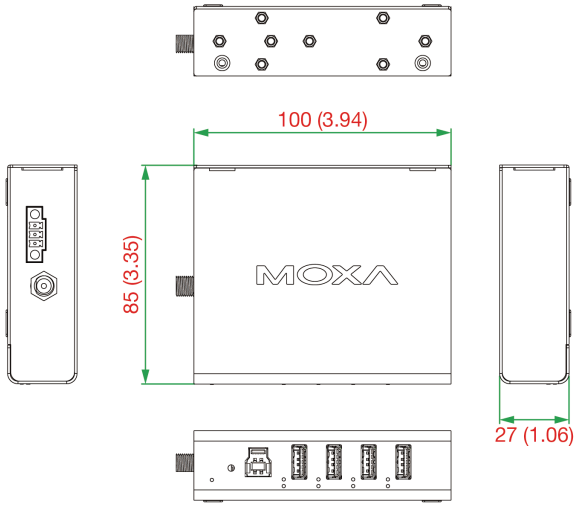
| Warranty Period | 5 years |
| Details | See www.moxa.com/warranty |

## Dimensions

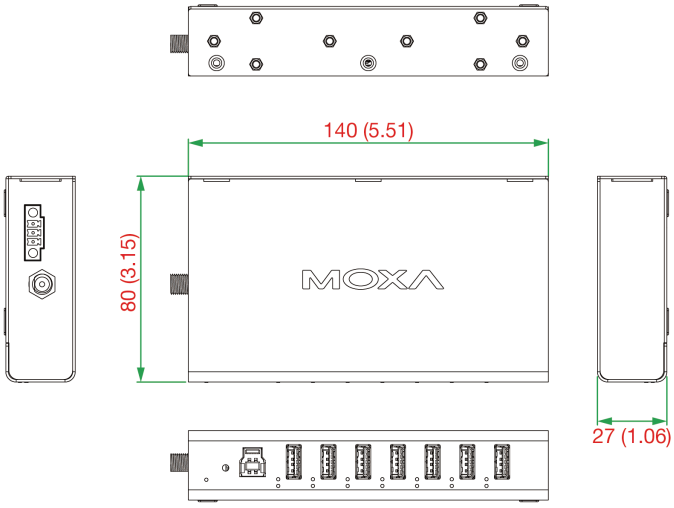
**UPort 404A**

Unit: mm (inch)




**UPort 407A**

Unit: mm (inch)




## Ordering Information

| Model Name | USB Interface | No. of USB Ports | Housing | Operating Temp. | Power Adapter Included |
|---|---|---|---|---|---|
| UPort 407A | USB 3.2 Gen 1 | 7 downstream | Metal | 0 to 60°C | Y |
| UPort 407A-T | USB 3.2 Gen 1 | 7 downstream | Metal | -40 to 85°C | N |
| UPort 404A | USB 3.2 Gen 1 | 4 downstream | Metal | 0 to 60°C | Y |
| UPort 404A-T | USB 3.2 Gen 1 | 4 downstream | Metal | -40 to 85°C | N |

## Accessories (sold separately)

### Cables

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|---|---|
| CBL-USB3-BA-G-120 | USB 3.2 Gen 1 cable, type A-to-type B with latch and screw, 1.2 m |
| CBL-USB3-BA-BK-120 | USB 3.2 Gen 1 cable, type A-to-type B, 1.2 m |

### Power Adapters

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|---|---|
| PWR-12500-DT-S1 | Desktop power supply (requires power cord), 12 VDC, 5 A, 100 to 240 VAC, 0 to 40°C operating temperature |

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|---|---|
| | Applicable Models:<br>UPort 407A |
| PWR-12300-WPEU-S2 | Locking barrel plug with 12 VDC, 3 A, 100 to 240 VAC, EU plug, 0 to 40°C operating temperature<br><br>Applicable Models:<br>UPort 404A |
| PWR-12300-WPCN-S2 | Locking barrel plug with 12 VDC, 3 A, 100 to 240 VAC, CN plug, 0 to 40°C operating temperature<br><br>Applicable Models:<br>UPort 404A |
| PWR-12300-WPUSJP-S2 | Locking barrel plug with 12 VDC, 3 A, 100 to 240 VAC, US/JP plug, 0 to 40°C operating temperature<br><br>Applicable Models:<br>UPort 404A |
| PWR-12300-WPUK-S2 | Locking barrel plug with 12 VDC, 3 A, 100 to 240 VAC, UK plug, 0 to 40°C operating temperature<br><br>Applicable Models:<br>UPort 404A |
| PWR-12300-WPAU-S2 | Locking barrel plug with 12 VDC, 3 A, 100 to 240 VAC, AU plug, 0 to 40°C operating temperature<br><br>Applicable Models:<br>UPort 404A |
| PWR-12300-WPKR-S2 | Locking barrel plug with 12 VDC, 3 A, 100 to 240 VAC, KR plug, 0 to 40°C operating temperature |
| PWR-Plug-EU-02 | EU plug for PWR-12150-WPEU and PWR-12300-WPEU<br><br>Applicable Models:<br>UPort 404A |
| PWR-Plug-CN-02 | CN plug for PWR-12150-WPCN and PWR-12300-WPCN<br><br>Applicable Models:<br>UPort 404A |
| PWR-Plug-USJP-02 | US/JP plug for PWR-12150-WPUSJP and PWR-12300-WPUSJP<br><br>Applicable Models:<br>UPort 404A |
| PWR-Plug-UK-02 | UK plug for PWR-12150-WPUK and PWR-12300-WPUK<br><br>Applicable Models:<br>UPort 404A |
| PWR-Plug-AU-03 | AU plug for PWR-12300-WPAU<br><br>Applicable Models:<br>UPort 404A |
| PWR-Plug-KR-02 | KR plug for the PWR-12150-WPKR and the PWR-12300-WPKR<br><br>Applicable Models:<br>UPort 404A |

Power Cords

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|---|---|
| PWC-C13EU-3B-183 | Power cord with EU/KR plug, 1.83 m<br><br>Applicable Models:<br>UPort 407A |
| PWC-C13CN-3B-183 | Power cord with three-prong CN plug, 1.83 m<br><br>Applicable Models:<br>UPort 407A |
| PWC-C13US-3B-183 | Power cord with US plug, 1.83 m<br><br>Applicable Models:<br>UPort 407A |
| PWC-C13JP-3B-183 | Power cord with JP plug plug, 7A/125V, 1.83 m<br><br>Applicable Models:<br>UPort 407A |
| PWC-C13UK-3B-183 | Power cord with UK plug, 1.83 m |

| | |
|---|---|
| | Applicable Models:<br>UPort 407A |
| PWC-C13AU-3B-183 | Power cord with AU plug, 1.83 m<br><br>Applicable Models:<br>UPort 407A |

### DIN-Rail Mounting Kits

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| DK-UP-42A | DIN-rail mounting kit for the UPort 400A/200A Series, 107 x 29 mm (4.21 x 1.14 in), with 4 M3 x 5 mm screws |

### Wall-Mounting Kits

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|---|---|
| WK-UP400A-BAK-BK | Rear-panel wall-mounting kit for the UPort 400A, 60 x 27 x 2 mm (2.36 x 1.06 x 0.08 in), with 2 plates and 6 M3 x 5 mm screws |
| WK-UP400A-BOT-BK | Bottom-panel wall-mounting kit for the UPort 400A/1400-G2/1600-G2 Series with 2 plates (43 x 30 x 2 mm or 1.69 x 1.18 x 0.08 in), 6 M3 x 5 mm screws |

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