

# UPort 404/407 Series

## 4 and 7-port industrial-grade USB hubs



### Features and Benefits

- Hi-Speed USB 2.0 for up to 480 Mbps USB data transmission rates
- USB-IF certification
- Dual power inputs (power jack and terminal block)
- 15 kV ESD Level 4 protection for all USB ports
- Rugged metal housing
- DIN-rail and wall-mountable
- Comprehensive diagnostic LEDs
- Chooses bus power or external power (UPort 404)

### Certifications



## Introduction

The UPort® 404 and UPort® 407 are industrial-grade USB 2.0 hubs that expand 1 USB port into 4 and 7 USB ports, respectively. The hubs are designed to provide true USB 2.0 Hi-Speed 480 Mbps data transmission rates through each port, even for heavy-load applications. The UPort® 404/407 have received USB-IF Hi-Speed certification, which is an indication that both products are reliable, high-quality USB 2.0 hubs. In addition, the hubs are fully compliant with the USB plug-and-play spec and provide a full 500 mA of power per port, ensuring that your USB devices function properly. The UPort® 404 and UPort® 407 hubs' support 12-40 VDC power, which makes 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® 404 and UPort® 407 USB 2.0 industrial-grade USB hubs have received the USB-IF (USB Implementers Forum) certification. USB-IF verifies a number of strict electrical requirements for the high-speed USB operation of USB hubs designed to the USB 2.0 specification. This means that the UPort® 404/407 support Hi-Speed USB 2.0 for up to 480 Mbps USB transmission, which is fully compliant with interoperability requirements, has enough power for devices to function, and facilitates a smooth transition back to high-speed 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® 404/407 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.

## Specifications

### USB Interface

Speed	12 Mbps, 480 Mbps
USB Connector	USB Type B
USB Standards	USB 1.1/2.0 compliant
No. of USB Ports	UPort 404 Models: 4 UPort 407 Models: 7

### Power Parameters

Input Current	UPort 404 Models: 1.3 A @ 12 VDC UPort 407 Models: 2.3 A @ 12 VDC
Input Voltage	12 to 40 VDC

## Physical Characteristics

Housing	Aluminum
Dimensions	UPort 404 Models: 80 x 35 x 130 mm (3.15 x 1.38 x 5.12 in) UPort 407 Models: 100 x 35 x 192 mm (3.94 x 1.38 x 7.56 in)
Weight	Packaged: UPort 404 Models: 855 g (1.88 lb) UPort 407 Models: 965 g (2.13 lb) Product Only: UPort 404 Models: 850 g (1.87 lb) UPort 407 Models: 950 g (2.1 lb)
Installation	Wall mounting, DIN-rail mounting (optional)

## Environmental Limits

Operating Temperature	Standard Models: 0 to 60°C (32 to 140°F) 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) Wide Temp. Models: -40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

## Standards and Certifications

EMC	EN 55032/24
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 2 kV IEC 61000-4-5 Surge: Power: 1 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signal: 0 V/m IEC 61000-4-8 PFMF
Environmental Testing	IEC 60068-2-1
Safety	UL 508
Freefall	IEC 60068-2-34

## Declaration

Green Product	RoHS, CRoHS, WEEE
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## MTBF

Time	UPort 404 Models: 1,490,340 hrs UPort 407 Models: 1,111,361 hrs
Standards	Telcordia (Bellcore), GB

## Warranty

Warranty Period	5 years
Details	See <a href="http://www.moxa.com/warranty">www.moxa.com/warranty</a>

## Package Contents

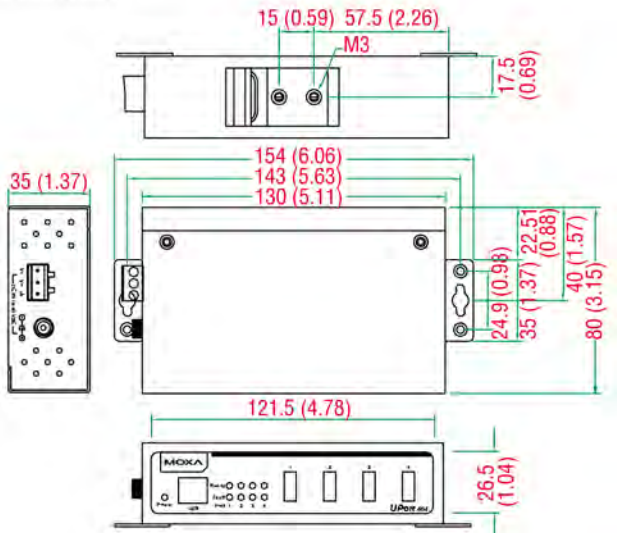
Device	1 x UPort 404/407 Series USB hub
Installation Kit	1 x wall-mounting kit
Cable	1 x USB type A male to USB type B male

Power Supply	1 x power adapter, universal (standard temperature models only)
Documentation	1 x quick installation guide 1 x substance disclosure table 1 x warranty card

## Dimensions

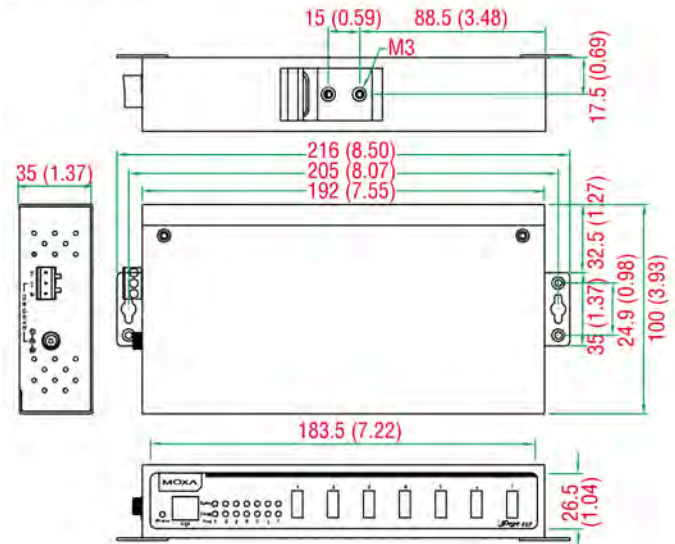
### UPort 404

Unit: mm (inch)



### UPort 407

Unit: mm (inch)



## Ordering Information

Model Name	USB Interface	No. of USB Ports	Housing Material	Operating Temp.	Power Adapter Included
UPort 404	USB 2.0	4	Aluminum	0 to 60°C	✓
Uport 404-T	USB 2.0	4	Aluminum	-40 to 85°C	-
UPort 407	USB 2.0	7	Aluminum	0 to 60°C	✓
Uport 407-T	USB 2.0	7	Aluminum	-40 to 85°C	-

## Accessories (sold separately)

### Cables

CBL-USBA/B-100	USB Type A to USB Type B cable, 1 m
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### Power Adapters

PWR-12300-WPEU-S1	Locking barrel plug, 12 VDC, 3 A, 100 to 240 VAC, Continental Europe (EU) plug, 0 to 40°C operating temperature
PWR-12300-WPUK-S1	Locking barrel plug, 12 VDC, 3 A, 100 to 240 VAC, United Kingdom (UK) plug, 0 to 40°C operating temperature
PWR-12300-WPUSJP-S1	Locking barrel plug, 12 VDC, 3 A, 100 to 240 VAC, United States/Japan (US/JP) plug, 0 to 40°C operating temperature
PWR-12300-WPCN-S1	Locking barrel plug, 12 VDC, 3 A, 100 to 240 VAC, China (CN) plug, 0 to 40°C operating temperature
PWR-12300-WPAU-S1	Locking barrel plug, 12 VDC, 3 A, 100 to 240 VAC, Australia (AU) plug, 0 to 40°C operating temperature

### DIN-Rail Mounting Kits

DK-25-01	DIN-rail mounting kit, 2 screws
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