

USB-to-serial Converters/USB Hubs

Moxa's UPort Series of USB-to-serial converters provides SuperSpeed USB 3.2 and Hi-Speed USB 2.0 interfaces. Moxa's USB hubs provide SuperSpeed USB 3.2 speeds up to 5 Gbps. Both come with 15 kV of ESD protection and metal housing to endure harsh environments, making them ideal for ATMs, kiosks, POS stations, and data acquisition applications.



USB-to-serial Converters/
USB Hubs Product Pages



Industrial-grade USB Hubs

The industrial-grade UPort Series of USB hubs is designed with the ruggedness and reliability needed for industrial applications. Each port has ESD Level 4 protection and provides SuperSpeed USB 3.2 data rates up to 5 Gbps—even for heavy-load applications. In the UPort Series, you'll find models that have dual power inputs, DIN-rail mounting options, and wide temperature ranges to operate reliably in harsh conditions.

USB-to-serial Converters



Product Series	UPort 1100	UPort 1200-G2	UPort 1400-G2	UPort 1600-8-G2	UPort 2210/2410
USB Interface					
Speed	12 Mbps	5 Gbps, 480 Mbps, 12 Mbps			12 Mbps, 480 Mbps
USB Connector	UPort 1150I models: USB type B All other models: USB type A	USB type B		All models: USB type B (UFP) UPort 1650-8-G2-Hub: type A (DFP)	USB type B
USB Standards	USB 2.0 compatible, USB 1.0/1.1 compliant	USB 3.2 Gen 1, USB 1.1/2.0 compliant			USB 1.1/2.0 compliant
Serial Interface					
No. of Ports	1	2	4	8	UPort 2210 models: 2 UPort 2410 models: 4
Connector	DB9 male				
Baudrate	50 bps to 921.6 kbps	50 bps to 921.6 kbps (supports non-standard baudrates)			50 bps to 921.6 kbps
Data Bits	5, 6, 7, 8				
Stop Bits	1, 1.5, 2				
Parity	None, Even, Odd, Space, Mark				
Flow Control	None, RTS/CTS, XON/XOFF				
Isolation	I models: 2 kV				-
Serial Standards	RS-232, RS-422, or RS-485 (refer to the product's datasheet for detailed specifications)				RS-232
FIFO	64 bytes	512 bytes			-
Pull High/Low Resistor for RS-485	UPort 1150I models: 1 kilo-ohm, 150 kilo-ohms	1 kilo-ohm, 150 kilo-ohms			-
Terminator for RS-485	UPort 1150I models: 120 ohms	120 ohms			-
Surge	-	0.5 kV			-
Serial Software Features					
Windows Drivers	Windows 11/10/8.1/8/7/Vista/ME/XP, Windows Server 2025/2022/2019/2016/2012 R2/2012/2008 R2/2008/2003/2000/NT	Windows 11/10/8.1/8/7/Vista/XP, Windows Server 2025/2022/2019/2016/2012 R2/2012/2008 R2/2008/2000			Windows 11/10/8.1/8/7/Vista/XP Windows Server 2022/2019/2016/2012 R2/2012/2008 R2/2008/2000
Linux Drivers	Kernel 6.x, 5.x, 4.x, 3.x, 2.6.x, 2.4.x	Kernel 6.x, 5.x, 4.x			Kernel 6.x, 5.x, 4.x., 3.x, 2.6.x
Mac Drivers	Intel 64: 14, 13, 12, 11, 10.1x	Intel 64: 13, 12, 11, 10.1x			Intel 64: 11, 10.1x
Arm®-based Platform Support	Linux kernel 6.x, 5.x Windows 11 macOS 14, 13, 12, 11	Linux kernel 6.x, 5.x Windows 11			Linux kernel 6.x, 5.x
Power Parameters					
Input Voltage	5 VDC	5 VDC by USB bus power	5 VDC by USB bus power or 12 to 48 VDC by external power adaptor	UPort 1610-8-G2/1650-8-G2 models: 5 VDC by USB bus power All models: 12 to 48 VDC by external power adaptor	5 VDC
Input Current	UPort 1110 models: 30 mA UPort 1130 models: 60 mA UPort 1130I models: 65 mA UPort 1150 models: 77 mA UPort 1150I models: 260 mA	UPort 1250-G2 models: 160 mA @ USB 2.0, 320 mA @ USB 3.2 UPort 1250I-G2 models: 240 mA @ USB 2.0, 400 mA @ USB 3.2	UPort 1410-G2 models: 200 mA @ 12 VDC UPort 1450-G2 models: 240 mA @ 12 VDC UPort 1450I-G2 models: 340 mA @ 12 VDC	UPort 1610-8-G2 models: 260 mA @ 12 VDC UPort 1650-8-G2 models: 350 mA @ 12 VDC UPort 1650I-8-G2 models: 530 mA @ 12 VDC UPort 1650-8-G2-Hub: 2,250 mA @ 12 VDC	UPort 2210 models: 140 mA @ 5 VDC UPort 2410 models: 240 mA @ 5 VDC
Physical Characteristics					
Housing	UPort 1150I models: Metal All other models: ABS + Polycarbonate (PC)	Metal			Polycarbonate (PC)
Dimensions	UPort 1150I models: 52 x 80 x 22 mm (2.05 x 3.15 x 0.87 in) All other models: 37.5 x 20.5 x 60 mm (1.48 x 0.81 x 2.36 in)	75.8 x 25.0 x 111.0 mm (2.98 x 0.98 x 4.37 in)	185 x 30 x 90.6 mm (7.28 x 1.18 x 3.57 in)	216 x 41.5 x 121.6 mm (8.50 x 1.63 x 4.79 in)	UPort 2210 models: 70 x 35 x 120 mm (2.76 x 1.38 x 4.72 in) UPort 2410 models: 80 x 35 x 185 mm (3.15 x 1.38 x 7.28 in)
Environmental Limits					
Operating Temperature	0 to 55°C (32 to 131°F)	Standard models: 0 to 60°C (32 to 140°F), Wide temp. models: -40 to 75°C (-40 to 167°F)			0 to 55°C (32 to 131°F)
Storage Temperature	-20 to 70°C (-4 to 158°F)	-40 to 75°C (-40 to 167°F)			-20 to 70°C (-4 to 158°F)
Standards and Certifications					
EMC	EN 55032/35				EN 55032/24
EMI	CISPR 32, FCC Part 15B Class 1	CISPR 32, FCC Part 15B Class A			CISPR 32, FCC Part 15B Class B
EMS	IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV				
	IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m				
	IEC 61000-4-4 EFT: Power: 1 kV				
	IEC 61000-4-5 Surge: Power: 2 kV	IEC 61000-4-5 Surge: Power: 1 kV, Signal: 0.5 kV			IEC 61000-4-5 Surge: Power: 1 kV
Safety	IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m				
	IEC 61000-4-8 PFMF				
Safety	UPort 1150I: UL 60950-1	EN IEC 62368-1, UL 62368-1 (CB), KC			UL 60950-1

USB Hubs



Product Series	UPort 400A	UPort 200A	UPort 404/407	UPort 207/204
USB Interface				
USB Standards	USB 3.2 Gen 1 USB 1.1/2.0 compliant		USB 1.1/2.0 compliant	
Speed	5 Gbps		12 Mbps, 480 Mbps	
USB Connector	UFP: type B, DFP: type A			
No. of USB Ports	UPort 404A models: 5 (UFP: 1, DFP: 4) UPort 407A models: 8 (UFP: 1, DFP: 7)	UPort 204A models: 5 (UFP: 1, DFP: 4) UPort 207A models: 8 (UFP: 1, DFP: 7)	UPort 404 models: 4 UPort 407 models: 7	UPort 204 models: 4 UPort 207 models: 7
Power Parameters				
Input Voltage	12 to 48 VDC	12 VDC	12 to 40 VDC	
Power Connector	Power jack, 3-pin terminal block	Power jack	Power jack, 3-pin terminal block	Power jack
Reverse Polarity Protection	Supported		-	
Input Current	UPort 407A models: 4.75 A @ 12 VDC UPort 404A models: 2.8 A @ 12 VDC	UPort 207A models: 4.5 A @ 12 VDC UPort 204A models: 2.65 A @ 12 VDC	UPort 404 models: 1.3 A @ 12 VDC UPort 407 models: 2.3 A @ 12 VDC	UPort 204 models: 1.21 A @ 12 VDC UPort 207 models: 2.17 A @ 12 VDC
Output Power Rating	Port 1: 900/1500 mA @ 5 VDC (BC 1.2 compatible) All other ports: 900 mA @ 5 VDC		500 mA @ 5 VDC	
Physical Characteristics				
Dimensions	UPort 407A models: 80 x 27 x 140 mm (3.15 x 1.06 x 5.51 in) UPort 404A models: 85 x 27 x 100 mm (3.35 x 1.06 x 3.94 in)	UPort 207A models: 80 x 27 x 140 mm (3.15 x 1.06 x 5.51 in) UPort 204A models: 85 x 27 x 100 mm (3.35 x 1.06 x 3.94 in)	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)	UPort 204 models: 70 x 35 x 120 mm (2.76 x 1.38 x 4.72 in) UPort 207 models: 80 x 35 x 185 mm (3.15 x 1.38 x 7.28 in)
Standards and Certifications				
EMC	EN 55032/35		All models: EN 55032/24 UPort 407 models: BSMI	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: 2 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m IEC 61000-4-8 PFMF	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: 1 kV IEC 61000-4-5 Surge: Power: 1 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m IEC 61000-4-8 PFMF	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	
Safety	EN IEC 62368-1, UL 62368-1, KC		All models: UL 508 UPort 407 models: BSMI, KC	-
MTBF				
Standards	Telcordia (Bellcore), GB			
Time	UPort 407A models: 1,467,922 hrs UPort 404A models: 2,107,973 hrs	UPort 207A models: 1,957,123 hrs UPort 204A models: 2,678,801 hrs	UPort 404 models: 1,490,340 hrs UPort 407 models: 1,111,361 hrs	UPort 204 models: 1,577,573 hrs UPort 207 models: 1,059,201 hrs
Package Contents				
Device	1 x UPort 400A Series USB hub	1 x UPort 200A Series USB hub	1 x UPort 404/407 Series USB hub	1 x UPort 204/207 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	1 x USB 3.2 Gen 1 type A male to USB type B male cable, 1.2 m	1 x USB type A male to USB type B male	
Power Supply	1 x power adapter, suitable for your region (for standard temperature models only)	1 x power adapter, suitable for your region	1 x power adapter, universal (standard temperature models only)	1 x power adapter, universal
Installation Kit	1 x terminal block, 3-pin, 3.5 mm 4 x rubber stands 1 x wall-mounting kit 6 x Nylok screws	4 x rubber stands	1 x wall-mounting kit	-