



StrixLink USB-100

Extender



DESCRIPTION

The Aniston StrixLink USB-100 is a next-generation professional USB 3.2 Gen 1 extender designed to meet the demanding requirements of modern AV, conferencing, and industrial environments. Engineered for reliability, it extends high-speed USB connections up to 100 meters (328 ft) over a single CAT6a cable while maintaining full 5Gbps SuperSpeed bandwidth.

With backward compatibility for USB 2.0 and 1.1, the StrixLink USB-100 seamlessly supports a wide variety of devices including PTZ cameras, interactive displays, audio peripherals, industrial control equipment, and storage drives.

Both the transmitter (TX) and receiver (RX) are equipped with multiple USB-C and USB-A ports, RS-232 control passthrough, and FSYNC GPIO synchronization, making this extender the ideal choice for integration into enterprise boardrooms, classrooms, auditoriums, training centers, control rooms, and broadcasting setups.

FEATURES

- **Ultra-Long Distance USB Extension**
Extend USB 3.2 Gen 1 signals up to 100m/328 ft over a single CAT6a cable.
- **High-Speed Performance**
Supports Super Speed 5 Gbps, 100 m (328 ft) transfer with stable, low-latency operation.
- **Universal Compatibility**
Backward compatible with USB 2.0 and USB 1.1 devices for maximum flexibility.

- **Multi-Port Connectivity**
TX: 1x USB-C Host, 1x USB-C Dev, 2x USB-A and RX: 2x USB-C Dev, 2x USB-A (= 4x USB-C & 4x USB-A).
- **Bi-Directional 24V PoC**
Power only one side (TX or RX); the other is powered automatically over the CAT6a cable.
- **Professional Integration**
Built-in RS-232 pass-through and FSYNC GPIO synchronization for AV control and industrial camera applications.
- **Firmware Upgradable**
USB-C service port enables future firmware updates for long-term support.
- **Isochronous & Bulk Transfer Acceleration**
Optimized for video conferencing cameras, USB microphones, and real-time devices.
- **Robust Industrial Design**
Durable metal housing with mounting ears for rack, wall, or under-table installations.
- **Plug-and-Play Operation**
No drivers, software, or configuration required.

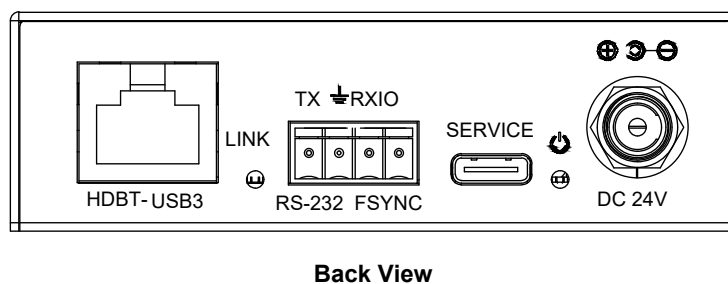
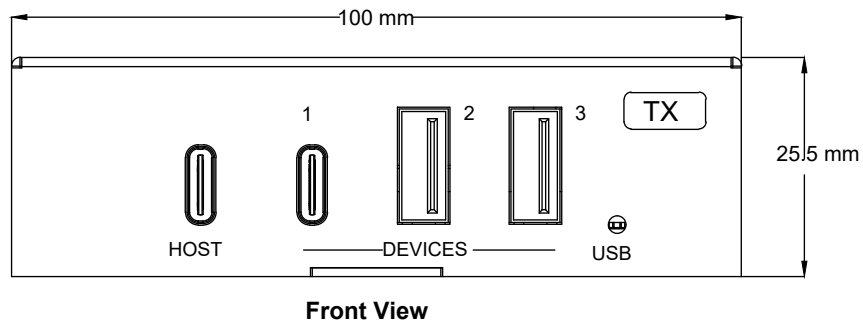
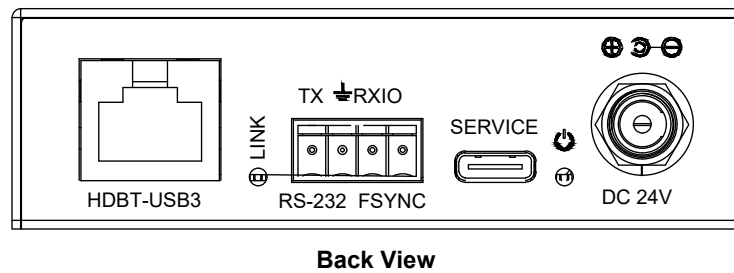
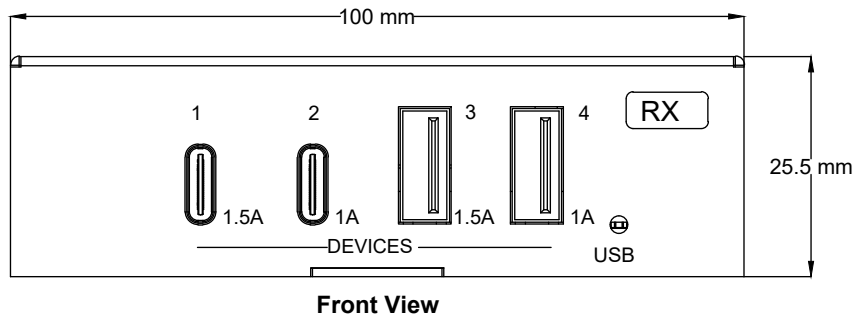


TECHNICAL SPECIFICATIONS

Product Name	StrixLink USB-100
Model Number	SL-USB-100
USB Standard	USB 3.2 Gen 1 (SuperSpeed)
Data Transfer Rate	Up to 5 Gbps →
Backward Compatibility	USB 2.0 / USB 1.1
Supported Transfer Modes	Isochronous / Bulk
Transmission Distance	100m via CAT6a (F/FTP) cable
Maximum USB Cable Length	1.5 m (host/device)
USB Ports (Total)	3 × USB-C, 4 × USB-A
USB-C Host Input	1 × USB-C (PC/Controller)
USB-C Device Ports	2 × (5V/1A & 5V/1.5A)
USB-C Service Port	1 × (Firmware upgrade)
USB-A Device Ports	4 × (5V/1A & 5V/1.5A)
Link Port	1 × HDBT-USB3 (RJ45 with 24V PoC)
RS-232 Control	1 × 3-pin Phoenix (TX/RX/G), pass-through
FSYNC GPIO	1 × 1-pin Phoenix (0–5 V sync)
Firmware Upgrade	Supported via USB-C
LED Indicators	Power / Link / USB Activity
Enclosure	Metal housing, professional grade
Color	Matte Black
Dimensions (W×D×H)	100 × 85 × 25.5 mm
Weight	~540g (Combined Unit Set)
Mounting Options	Rack / Wall / Under-table (Mounting ears included)
Power Input	AC 100–240V, 50/60Hz
Power Output	DC 24V / 3.75A (Locking Adapter)
Power Mode	Bi-Directional 24 V PoC (either end powers both units)
Power Consumption (TX)	Max 23W
Power Consumption (RX)	Max 35W
Combined Power Consumption	Max 58 W
Operating Temperature	0 °C–40 °C
Control Interfaces	RS-232 pass-through; FSYNC GPIO; USB-C service (firmware)
Storage Temperature	–20 °C to +60 °C
Operating Humidity	20%–80% RH (Non-Condensing)
Storage Humidity	10%–90% RH (Non-Condensing)
Supported Devices	PTZ Cameras / Webcams / Interactive Displays / Microphones / Printers / Storage
Surge Protection	IEC 61000-4-2 ±8kV (Air), ±4kV (Contact)
Transmission Rate	Stable up to 5Gbps
ESD Protection	Integrated
Reliability	24/7 Continuous Operation
Dimensions (W×D×H)	100 × 85 × 25.5 mm (Each unit)
Weight	265g (TX), ~275g (RX), ~540g Combined
Certifications	CE, RoHS
Compliance Standard	IEC-61000 for Safety/EMC
Warranty	3 Years Standard
Extended Warranty	Optional up to 5 Years



PRODUCT DIMENSIONS



HQ Asia
asia@anistonav.com
anistonav.com

Europe
europe@anistonav.com
anistonav.com/europe

United States
unitedstates@anistonav.com
anistonav.com/us/

Middle East
uae@anistonav.com
anistonav.com/uae



ANISTON TECHNOLOGIES LLP

anistonav.com

E-mail: info@anistonav.com

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