

DATA SHEET

EASYCONNECT USB-C ADAPTER



The Biamp 3-in-1 USB-C Adapter is a premium connectivity solution that combines power delivery, high-resolution display output, and high-speed data transfer in one sleek device. The EasyConnect USB-C Adapter delivers power to the laptop from a connected PSU while enabling bidirectional AV signals flow: from the laptop to the AV peripherals (display, speakers) and from the AV peripherals to the laptop (camera, mic) via a single USB-C cable for minimal BYOM setups. This USB-C adapter is fully compatible with EasyConnect MPX 100.

FEATURES

- **4K Ultra HD Display Support:** Crystal-clear HDMI output up to 4K@60Hz
- **Fast Data Transfer:** USB 3.0 port delivers lightning-fast 5Gbps transfer speeds
- **Power Delivery:** Up to 90W USB-C charging capability
- **Universal Compatibility:** Works with major operating systems including Mac OS X 10.2+, Windows, and Linux
- **Portable Design:** Compact and hot-swappable for maximum flexibility

ARCHITECTS & ENGINEERS SPECIFICATIONS

The USB-C adapter shall be a professional-grade 3-in-1 hub featuring HDMI 2.0 output, USB 3.0 data transfer, and USB-C power delivery capabilities. The device shall support video output resolutions up to 3840 x 2160 pixels (4K) at 60Hz with synchronized audio transmission, and USB 3.0 data transfer speeds up to 5Gbps through a USB Type-A port delivering 0.9A maximum output current.

The USB-C Power Delivery port shall support charging up to 90 watts with 5-20V DC input range and 0.5-5A output current range, maintaining 90% or greater power efficiency. The device shall incorporate overcurrent and short-circuit protection with auto-recovery capability, maintaining voltage regulation within $\pm 5\%$ and maximum ripple below 150mVp-p.

The adapter shall operate between -20° to $+40^{\circ}$ Celsius and 20-90% relative humidity (non-condensing), using passive cooling. The device shall be hot-swappable and compatible with Windows, Mac OS X (10.2+), and Linux systems without additional drivers. The unit shall comply with CE, ROHS, and FCC standards, while adhering to GB/T, IEC, EN, and UL standards for environmental testing and electrical safety.

The USB-C adapter shall be the EasyConnect USB-C Adapter.



PRODUCT SPECIFICATIONS

Power Delivery		Environmental	
Maximum Output Power	90W	Operating Temperature	-20°C to +40°C
Input Voltage Range	5-20V	Storage Temperature	-40°C to +80°C
DC Output Current	0.5-5A	Humidity Range	20-90% non-condensing
Power Efficiency	≥90%	Compatibility Features	
Display Output		USB-C DisplayPort (DP Alt Mode)	Yes
HDMI Resolution	Up to 3840x2160 (4K)	Protection Features	
Refresh Rate	60Hz	Overcurrent Protection	Yes (>1.5A USB, >5A PD)
Audio	Integrated audio support	Short Circuit Protection	Yes (auto-recovery)
Data Transfer		Voltage Regulation	±5% accuracy
USB Version	3.0	Compliance	
Transfer Speed	Up to 5Gbps	Certifications	CE, ROHS, FCC
USB Output Current	0.9A max	Standards	EN, UL, IEC compliant

Biamp strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.

EASYCONNECT USB-C ADAPTER:



USB-C



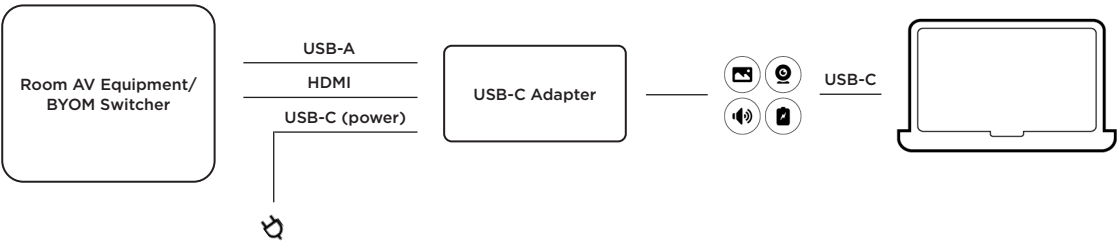
USB-A, HDMI, USB-C

INCLUDED WITH THE SYSTEM:

- Wall mount plate



FUNCTIONAL DIAGRAM



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