

AVO-USB-C Technical Specification

Full Speed USB Twisted Pair Extender Dongle – Client Side Module

Rev. 130423

The AVO-USB-C extenders transmit low speed USB 1.0, 1.1, and 2.0 signals up to 330 feet, and full speed USB 1.0, 1.1, and 2.0 signals up to 100 feet over twisted pair cabling. The AVO-USB-C is installed at a remote location to connect peripherals to a host device.

The AVO-USB-C is plug-and-play, does not require driver software, and uses the same USB circuit as our other USB bus power devices for installation flexibility.



Technical Specifications	
I/O Connections	
USB	One (1) Female USB Type A
Twisted Pair	One (1) 8P8C port (Shielded RJ45)
Supported Data and Power	
Full Speed (12 mbps) Maximum Distance via Cat 5e	100 ft.
Low Speed (1.5 mbps) Maximum Distance via Cat 5e	300 ft.
RJ45 Pin Configuration	Pin 1: Data + Pin 2: Data – Pins 3, 4, 5, and 6: GND Pins 7 and 8: 5V DC
Chassis and Environmental	
Enclosure	Black ABS plastic
Housing Dimensions	40 mm x 30 mm x 22 mm (1.57 in. x 1.18 in. x .087 in.)
Operating Temperature (Environment)	0° to +40° C (+32° to +104° F)
Operating Humidity (Environment)	20% to 90%, Non-condensing
Storage Temperature (Environment)	-10° to +60° C (+14° to +140° F)
Power, ESD, and Regulatory	
Maximum Power Consumption	2.5 watts
Power	Via USB output of host device
Vbus Power	5V DC
High Power Device Extension (<500 mA draw)	30 ft.
Low Power Device Extension (<100 mA draw)	200 ft.
Self Powered Device Extension (0 mA draw)	330 ft.
ESD Protection	Contact Discharge: 2 kV Air Discharge: 4 kV IEC61000-4-2 1995
Regulatory	CE, RoHS
Other	
Standard Warranty	2 Years
Included Accessories	Installation Guide
Compatible Host Devices	AVO-USB-H, PMI-A9B, USB-WP-H

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches. Intelix specifications are based on straight-through cabling with standard-grade Cat 5e unless noted otherwise.