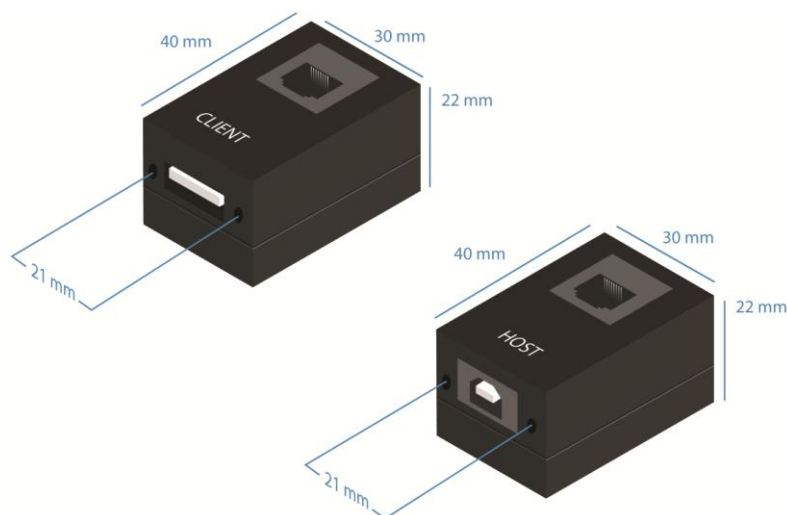


## PMI-A9 Technical Specification

### Full Speed USB Twisted Pair Extender

Rev. 130319

The electrical design of the PMI-A9B (host) and PMI-A9A (client) is based on Intelix's AVO-USB-H (host) and AVO-USB-C (client) extender set and transmits standard and full-speed USB signals over twisted pair cabling. The set extends standard speed USB 1.0 and 2.0 signals up to 330 feet, and full-speed USB 1.0 and 2.0 signals up to 100 feet. These products are plug-and-play and do not require driver software, and are compatible with Intelix AVO-USB series products.



Technical Specifications	
<b>I/O Connections (PMI-A9B)</b>	
USB	One (1) Female USB Type B
Twisted Pair	One (1) 8P8C port (Shielded RJ45)
<b>I/O Connections (PMI-A9A)</b>	
USB	One (1) Female USB Type A
Twisted Pair	One (1) 8P8C port (Shielded RJ45)
<b>Supported Data and Power</b>	
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
<b>Chassis and Environmental</b>	
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)
<b>Power, ESD, and Regulatory</b>	
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
<b>Other</b>	
Diagnostic LEDs	Power and Status LEDs
Standard Warranty	2 Years
Included Accessories	Installation Guide
Compatible Products	PMI-A9A, PMI-A9B

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.