

USB Extender System PMI-A8

Introduction

This unique USB extender system allows the user to run USB 1.1 and USB 2.0 Standard Speed signals up to 150 feet on inexpensive category 5/5e/6 cables. Patented ASIC technology conditions the USB signals to communicate up to 150 feet.

System Features

This system consists of two items. Both units are required to complete the circuit.

- 1.) PMI-A8B is the HOST Unit connected to the PC or Controlling interface.
 - a. PMI-A8B has a USB “B” receptacle to connect from a standard A-B cable.
 - b. An 8 position 8 conductor RJ45 jack connects the category cable.
 - c. The unit can function as a loose device or mounted on a faceplate.
 - d. No power required – the unit uses PC USB power.
- 2.) PMI-A8A is the DEVICE Unit connected to the device to be controlled.
 - a. PMI-A8A has a USB “A” receptacle to connect a standard A-B cable from the PMI-A8A to the controlled device.
 - b. An 8 position 8 conductor RJ45 jack connects the category cable.
 - c. The unit can function as a loose device or mounted on a faceplate.
 - d. No power required.
- 3.) USB 1.1 Compliant supports USB 2.0 Standard Speed.
- 4.) Patented ASIC Technology.
- 5.) Embedded USB transceivers at both ends to prevent signal loss.
- 6.) Standard 10/100BaseT RJ45 interface.

Specifications

PMI-A8B	Input Connection USB “B” Receptacle Output Connection RJ45 Jack
PMI-A8A	Input Connection RJ45 Jack Output Connection USB “A” Receptacle
Maximum Cable:	200 Feet
Current Draw:	20mA
Operating Temperature:	0°C - 40°C
Storage Temperature:	-40°C - 85°C
Certification:	FCC Class B, CE

System Requirements:

- 1.) Windows® 98SE/ME/2000/XP
 - a. IBM Compatible PC with 233 MHZ Pentium or faster processor
- 2.) MacIntosh® OS 9.x or higher
 - a. Power Mac G3 or G4, PowerBook G3 or G4 or iBook
- 3.) 64MB RAM or higher
- 4.) Available USB port

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Instructions

This system is very easy to install and utilize.

- 1.) Ensure the appropriate unit is located correctly.
 - a. HOST unit should be at the PC or Controlling Interface
 - b. DEVICE unit should be at the remote device being controlled.
- 2.) Using standard USB A male to B male cables connect the devices to their respective devices.
 - a. The total combined length of the two USB cables should not exceed 5 meters.
 - b. No other extenders should be used in conjunction with this device system.
- 3.) Using a Category 5/5e/6 UTP cable wired 568B or 568A, connect the LAN jacks.
 - a. It is recommended to test the CAT cable with a LAN tester to ensure maximum bandwidth. 100BaseT test for Category 5 is a minimum threshold.
 - b. Both ends have to be pinned out the same.
- 4.) The system will function as a standard USB item and auto sense the remote device. No additional drivers are required for this system.