

L5312 Firewire *LinkCard*

GENERAL DESCRIPTION

The Firewire LinkCard is the interface between a Link component and the firewire network. Plugged into a LinkRack or LinkStation, it communicates with other modules on the firewire network via standard 1394 firewire cables. The L5312 has three ports, which can be used in any combination. Refer to the 890 Reference manual, for detailed information.



TECHNICAL SPECIFICATIONS

Environmental		Firewire Ports	
Operating temperature	0°C to 50°C (32 to 122°F)	Port type	1394a, 6-pin cable interface
Storage temperature	-10 °C to +70 °C (14 to 158°F)	Number of ports	3
Humidity	85% R.H. in a dry, non-condensing environment	Maximum baud rate	400Mhz
Enclosure Rating	Touchsafe IP20. To be mounted inside an enclosure	Transmission Distance	up to 4.5 meters (15 Ft.)
Main Supply		Physical	
Supply Voltage	5VDC, supplied by backplane	Height	120mm (4.72 in)
Current Consumption	350 mA	Width	32mm (1.25 in)
Power Dissipation	2 Watts	Depth	90mm (3.54in)
		Weight	0.3 lbs (0.14 kg)
Network physical Layer Supply			
Supply voltage	12-24V, supplied over Firewire cable		
Power consumption	<0.5 Watts		

L5312 Module Status LED

This LED provides device status. It indicates whether or not the device is powered and operating properly. Table 1 defines the different states of the Module Status LED.

LED State	Status	Reason
Off	Disabled	<ul style="list-style-type: none">• No power applied to the device• Host Link2 module is not running its configuration• Hardware Fault• Not Programmed in Link Configuration
Green	Device Operational	<ul style="list-style-type: none">• The device is operating in a normal condition

L5312 Network Status LED

This bi-color (green - red) LED indicates the status of the communications link. Table 2 defines the different states of the Network Status LED.

LED State	Status	Reason
Off	Disabled	<ul style="list-style-type: none">• No power applied to the device• Host Link2 module is not running its configuration• Hardware Fault• Not Programmed in Link Configuration
Flashing Red	No bus power	<ul style="list-style-type: none">• No power on the AC890 Firewire bus• Firewire cable not connected to the L5312
Amber	Initializing	<ul style="list-style-type: none">• Waiting for the Link2 host to configure the L5312 with a node address and serial number• The serial number in the Link2 host is missing (equal to 0)
Flashing Green	Only node	<ul style="list-style-type: none">• Bus power is on, but the L5312 does not detect any other Link or AC890 nodes
Green	OK	<ul style="list-style-type: none">• Bus is running with multiple nodes detected