

# FirePRO™

## Professional FireWire Components



POINT GREY  
RESEARCH

- Designed and manufactured by Point Grey Research†
- Complete interoperability between FirePRO products
- Industry leading two year warranty
- Locking screw connections on all ports
- Industrial designs for demanding environments

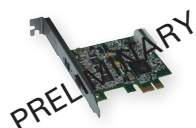






### Fully Tested and Supported

Every FirePRO™ IEEE-1394b (FireWire) product goes through an intensive testing process to ensure compatibility with other FirePRO products and select Point Grey cameras, such as Flea®2 or Grasshopper™. In addition, FirePRO products are backed by an industry leading two (2) year warranty and quick response e-mail and phone support. This allows systems integrators and developers to quickly build fast and reliable imaging pipelines, from large multi-camera arrays to single camera systems.

### Secure and Powered




FirePRO components maximize system stability through the use of locking screw connections and external power inputs, and minimize downtime due to bus resets or hardware failures. Locking screw connectors / ports not only guarantee a reliable connection through the entire 1394b network, but also reduce stress on internal electronics that can be caused by cable movement. FireWire cables also carry both data and power, minimizing the need for additional cables or external power sources.

Specification	FWB-PCIE-01	FWB-PCIE-02	FWB-HUB-2PORT	FWB-HUB-3PORT	FWB-HUB-5PORT
Image and Description	 IEEE-1394b PCI Express Card - Single Bus	 IEEE-1394b PCI Express Card - Dual Bus	 IEEE-1394b 2-Port Repeater	 IEEE-1394b 3-Port Hub	 IEEE-1394b 5-Port Hub
Number of Ports	2	2	2	3	5
Physical Layer Chip	LSI Logic (Agere) FW643	LSI Logic (Agere) FW643	TI TSB81BA3D	TI TSB81BA3D	TI TSB81BA3D
Number of Chips	1	2	1	1	3
Digital Interface	Bilingual 9-pin IEEE-1394b S800 (800Mb/s) ports with locking screw connection				
Transfer Rates	100, 200, 400, 800 Mbit/s				
IEEE-1394 Compatibility	Supports IEEE 1394b revision 1.20 at 1Gb signaling rates, fully interoperable with FireWire™ and i.LINK™ Backward compatible with 1394-1995 and 1394a-2000				
Voltage Requirements	8-32V, via the IEEE-1394b interface or external power input (if equipped)				
Power Consumption (max at 12V)	0.5W	0.5W	0.5W	0.5W	TBD
Power Output (max at 12V)	1A per port				
External Power Input	Yes	Yes	-	Yes	Yes
Status LED	-	-	Yes	Yes	Yes
External Mounting Options	-	-	-	front / rear, M3x4	front / rear, M3
Dimensions (W x D x H)	Low profile 92 x 69mm	Low profile 92 x 69mm	25 x 56 x 17mm	51 x 67 x 21mm	57 x 94 x 20mm
Mass	49g	49g	29g	90g	TBD
Emissions Compliance	Complies with CE rules and Part 15 of FCC Rules				
Operating Temperature	0° to 45°C				
Storage Temperature	-30° to 60°C				
Warranty	2 years				

† Does not include FirePRO cables



# FirePRO™ Components

Specification	ACC-01-2006	ACC-01-2014	ACC-01-2012
Image and Description	 4.5m IEEE-1394b Cable	 10m IEEE-1394b Cable	 High Flex IEEE-1394b Cable
Length	4.5 metres	10 metres	4.5 metres
Manufacturer	COMOSS Electronic Co. Ltd.	COMOSS Electronic Co. Ltd.	Oki Electric Cable
Digital Interface	Two bilingual 9-pin IEEE-1394b S800 (800Mb/s) connectors with locking screw connection		
Transfer Rates	100, 200, 400, 800 Mbit/s		
IEEE-1394 Compatibility	Supports IEEE P1394b revision 1.20 at 1Gb signaling rates, fully interoperable with Firewire™ and i.LINK™ Backward compatible with 1394-1995 and 1394a-2000		
Voltage (max)	8-32V, via the IEEE-1394b interface		
Signal Wire Guage	AWG22 and AWG26	AWG22 and AWG26	AWG28
Flex Characteristics	-	-	1,000,000 flex cycles, 30mm bend radius
Emissions Compliance	Complies with CE rules and Part 15 of FCC Rules		
Operating Temperature	0° to 45°C		
Storage Temperature	-30° to 60°C		
Warranty	2 years		