

TERMBOY IEEE1394 LONG-HAUL ADAPTER

The Termboy long-haul adapter extends distance between equipment from 4.5 m to over 50 m, while keeping interoperability with IEEE1394-1995 equipment. The Termboy family supports modified 8B10B coding in compliance with P1394b draft specifications, and has alternative four PMDs for long-haul port. Supported PMDs are low-cost plastic optical fiber, multimode glass optical fiber, UTP CAT5 and infrared wireless.

FEATURES

- IEEE 1394 long-haul solution
- Compatible with the existing copper-based IEEE 1394 UNI
- Low-cost PMD for long-haul port
- Powering via copper-based IEEE 1394 port
- 200 Mb/s (S200) data transfer rate (PF200, GF200)
- 100 Mb/s (S100) infrared wireless transmission (IR100, TP100)



PF200/GF200/TP100

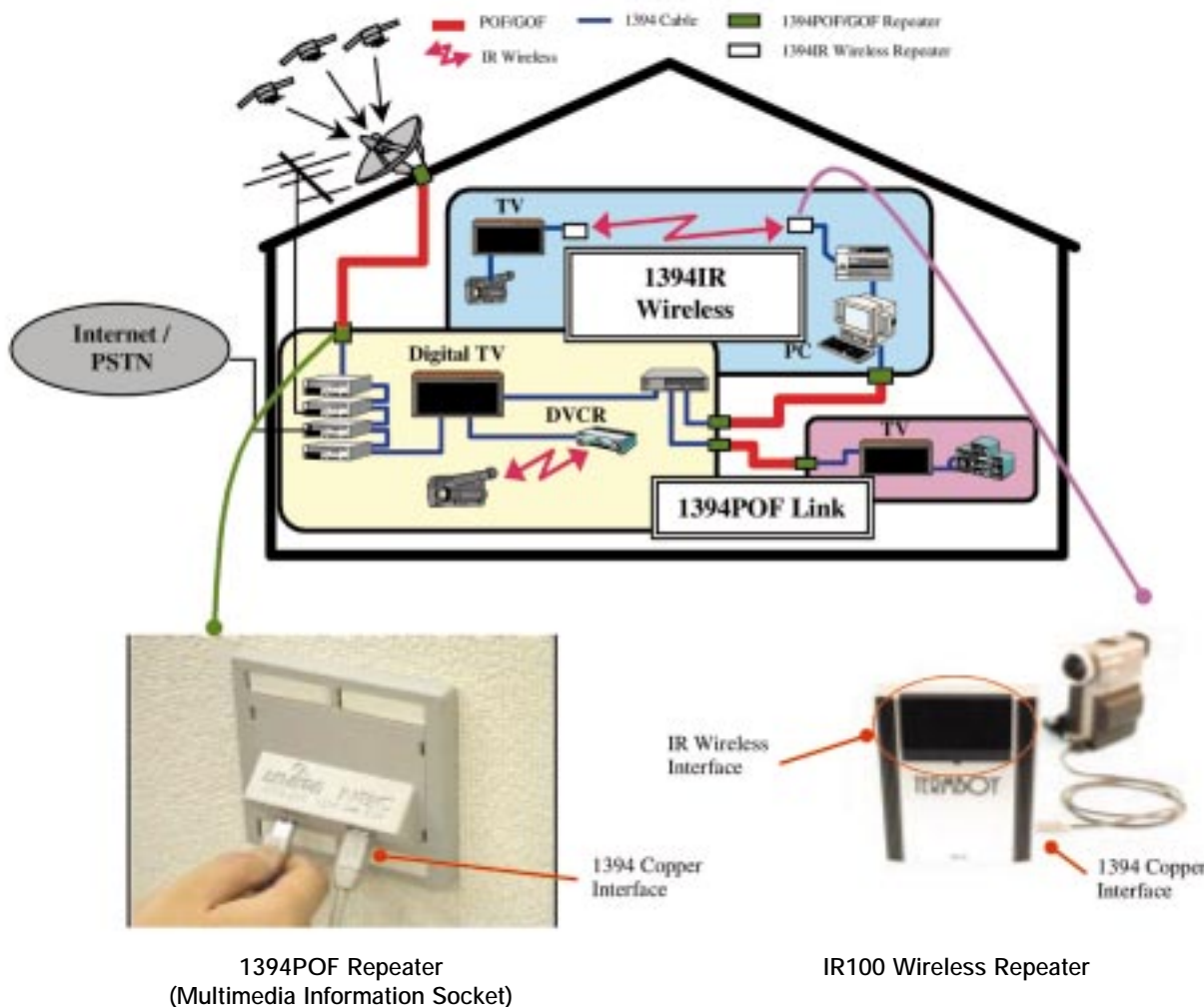
IR100

SPECIFICATIONS

	PF200	IR100	GF200	TP100
Port	1 x long-haul port 2 x 1394 port			
Long-Haul Port Interface	PN connector for POF/HPCF	Infrared wireless	SC connector for GI62.5 nm MMF	RJ-45 for UTP CAT5
1394 Port Interface	6-pin connector			
Data Transfer Rate	200 Mb/s (max.)	100 Mb/s (max.)	200 Mb/s (max.)	100 Mb/s (max.)
Transmission Distance	50 m (POF) 100 m (HPCF)	7 m ~ 10 m	500 m	100 m
Power Requirement	DC 8 ~ 40 V			
Consumption	6 W (typ.)	8 W (typ.)	6.5 W (typ.)	5.5 W (typ.)
Powering Capacity via 1394 Cable	10 W (13.5 V)			
Dimensions	25 mm (W) x 100 mm (D) x 70 mm (H) excluding projecting parts	130 mm (W) x 42 mm (D) x 162 mm (H)	25 mm (W) x 100 mm (D) x 70 mm (H) excluding projecting parts	
Operating Temperature	5 ~ 45°C			
Included Accessories	AC adapters (100 ~ 240 V, 50/60 Hz) POF 50 m Stands	AC adapters (100 ~ 240 V, 50/60 Hz)	AC adapters (100 ~ 240 V, 50/60 Hz) Stands	AC adapters (100 ~ 240 V, 50/60 Hz) Stands

APPLICATION

The following diagram depicts one of the possible applications using the long-haul IEEE 1394 solution, a multimedia home network using a high-performance IEEE1394 serial bus. PF200, which is incorporated in the multimedia information socket, can be used for room-to-room connectivity. IR100 can eliminate the need for physical wirings when 1394 equipment in the same room is interconnected together.



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Document # S14238EU1V0PB00