強復工業有限公司
CFI Group — Chyang Fun Industry Co., Ltd.

CF-ENK8 Specification

V0.1   **Dec. 25, 2003**

Item	Feature	Remark
Mother Board Specification (CF-ENK8)		
Form factor	Proprietary small form factor mother board Dimension: 245mm(L) X 180mm (W), 6 layers	
CPU	**Socket 754 processors:** Support AMD Althon 64, up to 3.2GHz+ above FSB 800 MHz frequencies supported L2 cache: 1MB	
Chipset	**North Bridget** Nvidia Crush K8 (nForce 3) **South Bridget:** Nvidia Crush K8 (nForce 3)	
Min Memory	Support DDR 400/333/266/200 SDRAM, up to 2GB Two 184-pin DIMM sockets	
Graphics	Integrated Graphics controller in north bridge Support 3D/2D enhancements Support extend AGP 8X slot	
Audio	Realtek ALC 658 audio codec Complies with AC"97 2.3 specification and 6 channel codec SPDIF input/output supported	
USB	Integrated USB 2.0 controller in Nvidia chipset Support Hi-speed, full speed, and low speed data transfer rate, max. bandwidth 480Mbits	
Ethernet	Realtek RTL 8110S for Giga LAN support Integrate 10/100/1000 transceiver	
1394	TI TSB43AB23 1394a host controller Data transfer rate 100/200/400Mbps supported	
IDE	ATA 100/133 type with Serial ATA host controller support ,	
Super I/O	ATI 8712 LPC controller Build in FDC support 1.2/1.44M/ 2.88M FDD HW monitoring: Embedded in I/O core chip	

	• Voltage report CPU temperature report	
BIOS	Award BIOS with 2MB/4MB EEPROM ACPI 1.0b PnP 1.0a APM 1.2 SMBIOS 2.3 USB 1.1/2/0	
System Specification		
Mother board	CF-ENK8 Proprietary small form factor mother board Dimension: 245mm(L) X 180mm (W), 6 layers	
Dimension	212 mm (W) X 306mm(D) X 242mm(H)	
Chassis material	All Aluminum Chassis	
Expansion Slots	PCI slot X1, AGP 8X slot X1	
Drive Bays	Exposed: - One 5.25" Standard Optical Drive - One 3.5" Standard FDD Drive Hidden: - One 3.5" Standard HDD Drive	
Front Panel I/O	- USB2.0 X2 - 1394(6 Pin) X1 - SPDIF-In X1 - Rear-Out X1, Line-Out X1, MIC X1	
Back Panel I/O	- USB 2.0 X4 - LAN port (RJ-45) X1 - SPDIF-Out X1 - Serial port X1 - PS/2 keyboard X1 - PS/2 mouse X1 - Headphone X1, Line-in X1, MIC-in X1	
Power Supply	220W with UL, TUV, CE requirement PFC optional	
Features	System BIOS: Award BIOS System BIOS compliance: • ACPI 1.0b (S0, S1,S3, S4, S5) • APM 1.2 • PnP 1.0a • SMBIOS 2.3	

	• USB 1.1/2.0 **Power Management :** • Power connector: ATX 12V 4 pin + ATX 20 pin • ACPI states supported: S0, S1, S3, S4, S5 • Fan control pin head X1 • Ac recovery • Wake up from S1 • Wake up from S3/ S5 • Easy tune • On board buzzer • Win 98, WinME, Win2000, WinXP, and Linux support	
Packing	Single packing	
Accessories	FDD cable, ODD cable, HDD cable, SPDIF cable power cord, CD driver, manual	
Agency	EMC: CE, CB, FCC, VCCI Class B. 3C Safety: UL, C-UL, TUV Logo: Designed for Windows (WHQL for WinXP professional), PC2001 compliant, Microsoft MDP 2003 or above	

History:

Version	Status	PIC	Date
V0.1	**First release**	**Daniel**	**Dec. 25**