

# SBC84620

3.5" Embedded SBC with AMD LX800, Dual LANs, 4 COM, 4 USB 2.0 and VGA/TTL (-40°C to +85°C)

## Features

- Low power fanless AMD LX800 processor
- Dual 10/100 Mbps Ethernet
- 4 COM ports and 4 USB 2.0 ports
- PC/104 and PCI Express Mini Card slot for expansion
- VGA and TTL LCD
- Wide range temperature supported



### Core System

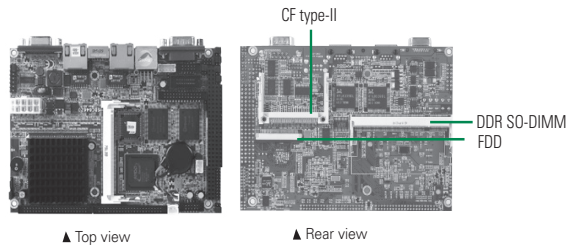
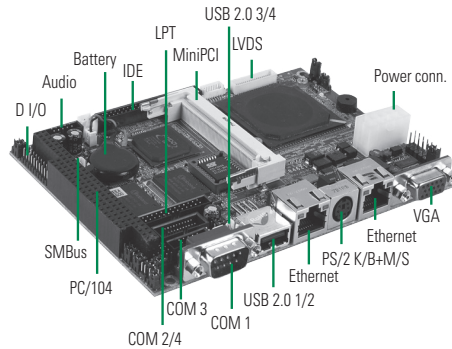
CPU	AMD LX800 processor onboard
System Memory	1 x 200-pin DDR-333/400 SO-DIMM, up to 1GB
Chipset	AMD CS5536AD
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II
Board Unique ID	Board unique ID (optional)
Watchdog Timer	255 levels, 1 ~ 255 sec.
Expansion Interface	1 x Mini PCI 1 x PC/104 for 16-bit ISA bus
Battery	Lithium 3V/196 mAH
Power Input	2 x 5-pin connector +5V DC-in only (+12V is required for +12V powered COM and LVDS inverter) AT Auto Power ON function supported
Power Requirements	AMD LX800 @ 500 MHz, 1GB DDR Max. RMS: +5VSB @ 98mA, +5V @ 1.295A, +12V @ 21mA, -12V @ 21mA
Size	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	Standard: 0°C ~ +60°C (32°F ~ 140°F) Optional: -40°C ~ +85°C (-40°F ~ +185°F) -25°C ~ +70°C (-13°F ~ +158°F)
Relative Humidity	10% ~ 95% relative humidity, non-condensing

### I/O

MIO	1 x IDE; PATA-100 1 x FDD 1 x PS/2 keyboard and mouse 1 x RS-232/422/485 (COM 1 with +5V/+12V powered) 3 x RS-232 (COM 2-4 with +5V/+12V powered) 1 x LPT; with SPP/EPP/ECP supported
SATA	N/A
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 ports as 10/100 Mbps support Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8139DL
Audio	AC'97 Codec audio as MIC-in / Line-in/ Line-out/ Speaker-out with Realtek ALC203
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	Refer to ordering information

### Display

Chipset	AMD LX integrated
Memory Size	Max. up to 254 MB
Display Interface	1 x VGA 1 x TTL LCD; max. up to 24-bit



### Packing List

Standard				
Quick installation guide, user's manual/utility CD, cable				
Cable				
Part Number	Description	SBC84620 VEEA-500 Qty	SBC84620 VEA-500 Qty	SBC84620 VEE-500 Qty
59484500010E	44-44-40 pin IDE cable	1	1	1
59402010000E	ATX power cable 10P	1	1	1
59384500000E	COM + printer cable	1	1	
59384500100E	Audio cable w/ bracket	1	1	
594E8422800E	2 x USB 2.0 wafer cable	1	1	1
59380000300E	COM port x 2 w/ bracket	1	1	
59380010300E	COM port x 1 w/ bracket			1

### Ordering Information

Standard								
Models	CPU	LCD	LAN	Audio	COM	PC/104	DIO	
SBC84620 VEEA-500 (P/N: E384620100)	LX800 500 MHz	VGA/TTL	2	Yes	4	Yes	8-In and 8-out	
SBC84620 VEA-500 (P/N: E384620101)	LX800 500 MHz	VGA/TTL	1	Yes	4	Yes	8-In and 8-out	
SBC84620 VEE-500 (P/N: E384620102)	LX800 500 MHz	VGA/TTL	2	N/A	2	N/A	3-In and 5-out	
Optional								
Models	CPU	LCD	LAN	Audio	COM	PC/104	DIO	W.T.
SBC84620 VEEA-500 (P/N: E384620114)	LX800 500 MHz	VGA/TTL	2	N/A	2	N/A	3-In and 5-out	-25°C ~ +70°C
SBC84620 VEEA-500 (P/N: E384620113)	LX800 500 MHz	VGA/TTL	2	Yes	4	Yes	8-In and 8-out	-25°C ~ +70°C

\* W.T.: Wide Temperature

## Assured Systems

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