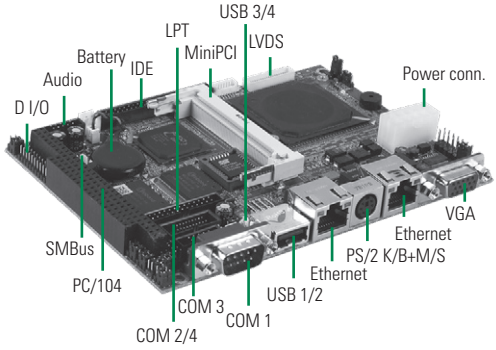
SBC84621

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



Fanless | Low Power | Extended Temperature

System

CPU	AMD LX800 processor onboard
System Memory	1 x 200-pin SO-DIMM supports DDR-333/400 max. up to 1 GB
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, 512MB DDR Max. RMS: +5VSB @ 62.91mA, +3.3V @ 24.31mA, +5V @ 1.071A, +12V @ 24mA, -12V @ 25mA
Size	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	Standard: 0° ~ +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

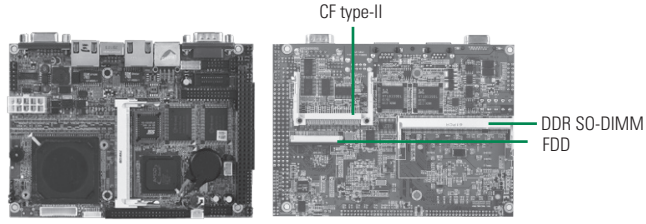
MIO	1 x IDE; PATA-100 1 x FDD (optional) 1 x PS/2 keyboard and mouse 1 x RS-232/422/485 (COM 1); with +5V/+12V powered 3 x RS-232 (COM 2/3/4); with +5V/+12V powered 1 x LPT; with SPP/EPP/ECP supported
SATA	N/A
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 ports as 10/100Mbps 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 LVDS; 18/24-bit single channel

Features

- Low power fanless AMD LX800 processor
- AMD CS5536AD chipset
- Dual 10/100Mbps Ethernet
- 4 COM ports and 4 USB 2.0 ports
- PC/104 and MiniPCI slots for expansion
- VGA and LVDS LCD



▲ Top view ▲ Rear view

Packing List

Standard

Quick installation guide, user's manual/utility CD, cable

Cable

Part Number	Description	SBC84621 VEEA-500 Qty	SBC84621 VEA-500 Qty	SBC84621 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	
59382631000E	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	Ethernet	Audio	COM	PC/104	D I/O
SBC84621 VEEA-500 (P/N: E384621100)	LX800 500 MHz	VGA/18-bit LVDS	2	Yes	4	Yes	8-In and 8-Out
SBC84621 VEA-500 (P/N: E384621101)	LX800 500 MHz	VGA/18-bit LVDS	1	Yes	4	Yes	8-In and 8-Out
SBC84621 VEE-500 (P/N: E384621102)	LX800 500 MHz	VGA/18-bit LVDS	2	N/A	2	N/A	3-In and 5-Out
SBC84621 VEEA-500 (P/N: E384621106)	LX800 500 MHz	VGA/24-bit LVDS	2	Yes	4	Yes	8-In and 8-Out
SBC84621 VEA-500 (P/N: E384621107)	LX800 500 MHz	VGA/24-bit LVDS	1	Yes	4	Yes	8-In and 8-Out

Optional

Models	CPU	LCD	Ethernet	Audio	COM	PC/104	D I/O	W.T.
SBC84621 VEA-500 (P/N: E384621109)	LX800 500 MHz	VGA/18-bit LVDS	1	Yes	4	Yes	8-In and 8-Out	-25°C~ +70°C
SBC84621 VEA-500 (P/N: E384621123)	LX800 500 MHz	VGA/24-bit LVDS	1	Yes	4	Yes	8-In and 8-Out	-25°C~ +70°C

* All specifications and photos are subject to change without notice.