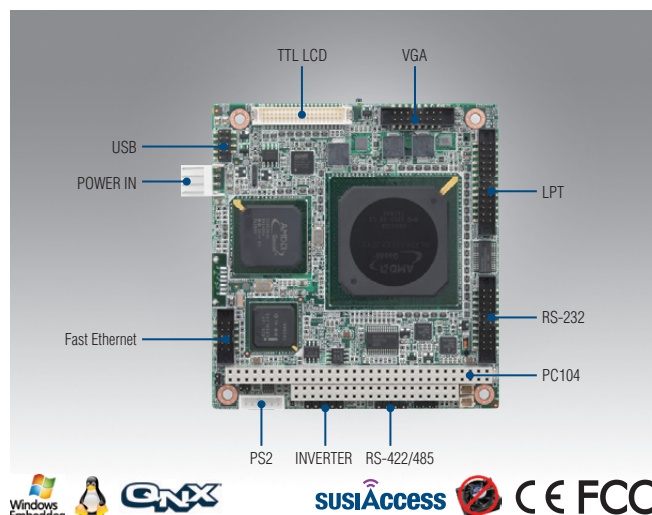


PCM-3355

AMD LX800/LX600 PC/104 SBC, VGA, TTL, Ethernet, USB, COM, CF



Features

- AMD low power LX800/500 MHz and LX600/366 MHz Processor
- 24-bit TFT LCD interface
- Supports compact size 96 x 90 mm PC/104 standard dimensions
- Supports two RS-232, one RS-422/485, and two USB 2.0 ports
- Supports SUSIAccess and Embedded Software APIs

Software APIs:



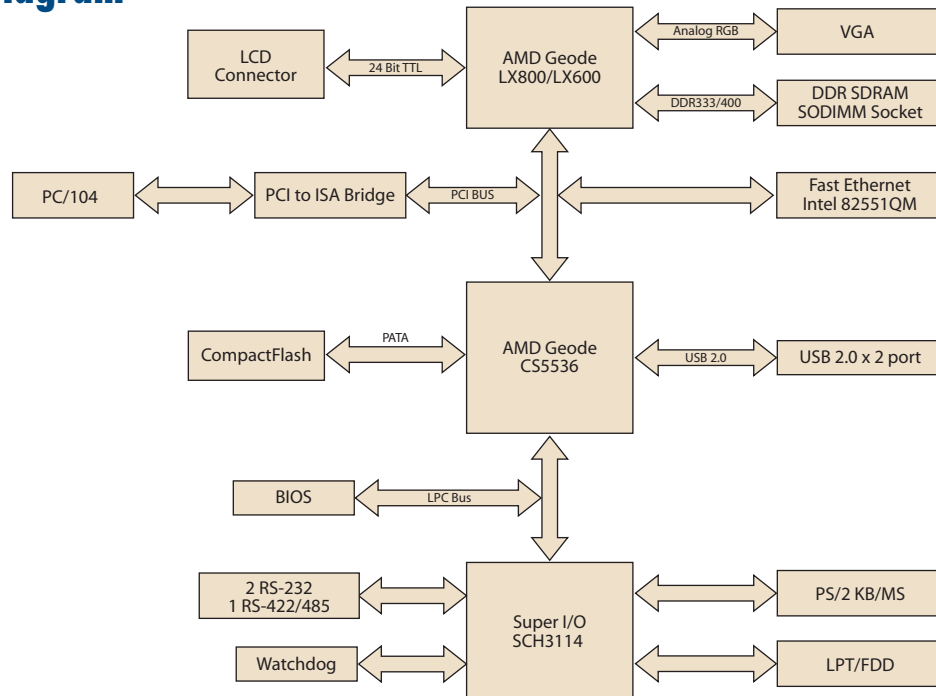
Utilities:



Specifications

Processor System	CPU	AMD Geode™ LX800, 500 MHz/AMD Geode™ LX600, 366 MHz
	Frequency	500 MHz/ 366 MHz
	L2 Cache	128 KB
	System Chipset	AMD CS5536
	BIOS	Award 4-Mbit
Memory	Technology	DDR 333/400 MHz
	Max. Capacity	1 GB
	Socket	1 x 200-pin SODIMM
Display	Chipset	AMD Geode LX800/LX600
	VRAM	Optimized Shared Memory Architecture up to 64 MB system memory
	VGA	Supports up to 1920 x 1440 x 32 bpp at 85 Hz Supports up to 1600 x 1200 x 32 bpp at 100 Hz
	TTL LCD	Supports up to 1600 x 1200 x 32 bpp at 60 Hz for 24-bit single channel TFT
	Dual Display	VGA+TTL
Ethernet	Speed	10/100 Mbps
	Controller	Intel 82551QM
	Connector	Box Header
Watchdog Timer		Output System Reset Programmable counter from 1 ~ 255 minutes/ seconds
Storage	CompactFlash	CompactFlash socket (Type I)
	Floppy	1, 82077AA compatible (transfer from LPT, available by custom BIOS)
Internal I/O	USB	2 x USB 2.0
	Serial	2 RS-232 from COM1/2, 1 RS-422/485 from COM3 with RS-485 auto flow control (ESD protection for RS-232: Air gap ±15kV, Contact ±8kV)
	Parallel (LPT)	1, IEEE 1284, EPP, and ECP compatible (FDD mode supported)
	SMBus	1
	Keyboard/Mouse	1
	PC/104 Slot	1
Power	Power Type	AT
	Power Supply Voltage	5V ± 5% only to boot up (12 V is optional for LCD inverter and add on card)
	Power Consumption (Typical)	LX800: 1.45 A @ +5 V, 2 mA @ +12 V (7.27 Watts)
	Power Consumption (Max, test in HCT)	LX800: 1.74 A @ +5 V, 0.1 A @ +12 V (9.9 Watts)
	Power Management	ACPI/ APM1.2
	Battery	Lithium 3 V/210 mAH
Environment	Operational	0 ~ 60° C (32 ~ 140° F) (Operational humidity: 40° C @ 85% RH non-condensing)
	Non-Operational	-40° C ~ 85° C and 60° C @ 95% RH non-condensing
Physical Characteristics	Dimensions (L x W)	96 x 90 mm (3.8" x 3.5")
	Weight	0.556 kg (1.22 lb)
	Height	Top side: 8.7 mm; Bottom side: 10.6 mm

Block Diagram



Ordering Information

Part No.	CPU	Memory	TTL	Fast Ethernet	USB2.0	RS-232	RS-422/485	Expansion	Thermal Solution	Operating Temp.
PCM-3355E-L0A1E	AMD LX800	SODIMM	24-bit	1	2	2	1	PC/104	Passive	0 ~ 60° C
PCM-3355L-J0A1E	AMD LX600	SODIMM	24-bit	1	2	2	1	PC/104	Passive	0 ~ 60° C
PCM-3355EZ-512LA1E	AMD LX800	512 MB bundle	24-bit	1	2	2	1	PC/104	Passive	-20 ~ 80° C
PCM-3355EZ2512LA1E	AMD LX800	512 MB bundle	24-bit	1	2	2	1	PC/104	Passive	-40 ~ 85° C

Note: Wide temperature version is bundled with extended temperature grade memory module

Note: Passive = fanless; Active = with fan

Packing List

Part No.	Description	Quantity
	PCM-3355 SBC	
	Startup Manual	
	Utility CD	
1700060202	Cable 6P-6P-6P PS/2 KB & Mouse 20 cm	1
1700260250	LPT Port cable 25P to 26P 2.0 mm 25 cm	1
1703040157	RS-422/485 W/D-SUB COM 4P 15 cm	1
1703060053	PS2 Cable 6P (MINI-DIN)-6P (Wafer 2.0 mm) 6 cm	1
1703100121	USB 2-Port cable 10P 12 cm IDC 2.0 mm	1
1701200220	RS-232 x 2 ports 2.0 mm 22 cm	1
1701160150	VGA cable 15P to 16P 2.0 mm D-SUB 15 cm	1
1700005158	LAN cable RJ-45 10P-2.0 mm 12 cm	1
9660104000	PC/104 screw and copper post package	1
1960016313T000	Heatsink for PCM-3355 (LX800/ LX600, 47.1 x 47.1 x 7.5 mm)	1
1960016315T000	Heatsink for PCM-3355 (CS5536, 22.7 x 22.8 x 6.3 mm)	1

Optional Accessories

Part No.	Description
165313222B	PC/104 connector 64-pin (Long pin)
165312022B	PC/104 connector 40-pin (Long pin)
1700001531	LPT to FDD cable

Embedded OS/API

Embedded OS/API	Part No.	Description
WinCE	2070007869	Image CE 6.0 Pro PCM-3355 V1.2 ENG
Win XPE	2070007790	XPE WES2009 PCM-3355 Image GX3 V4.0 ENG
	2070007910	XPE WES2009 GX3 LX800 V4.0 MUI24
QNX		6.4.1
Linux		Ubuntu 10.04.1
VxWorks		5.5
Software API	205E000019	SUSI 3.0 SW API for ESBC B: 20091116 XP