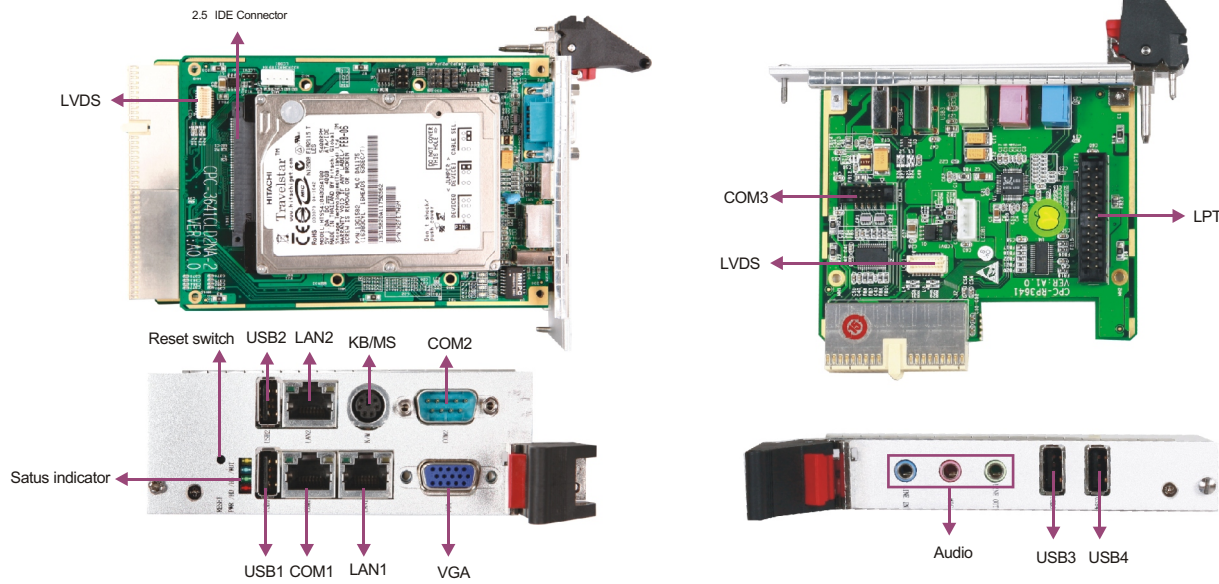


# CPC-3641CLD2NA



Wide temperature AMD LX800 CompactPCI Boards with VGA/LVDS/CF/2LAN/Audio



## Features

- Onboard AMD LX800 500MHz processor
- Onboard 512MB DDR 400 system memory
- Onboard 2 x Realtek 10/100M/1000Mbps Ethernet Controller
- PICMG 2.16 Packet Switching specification compliant
- PICMG 2.1 R2.0 Hot Swap specification compliant
- PICMG 2.0 R3.0 CompactPCI specification compliant
- Selectable 3U rear I/O board: CPC-RP3641

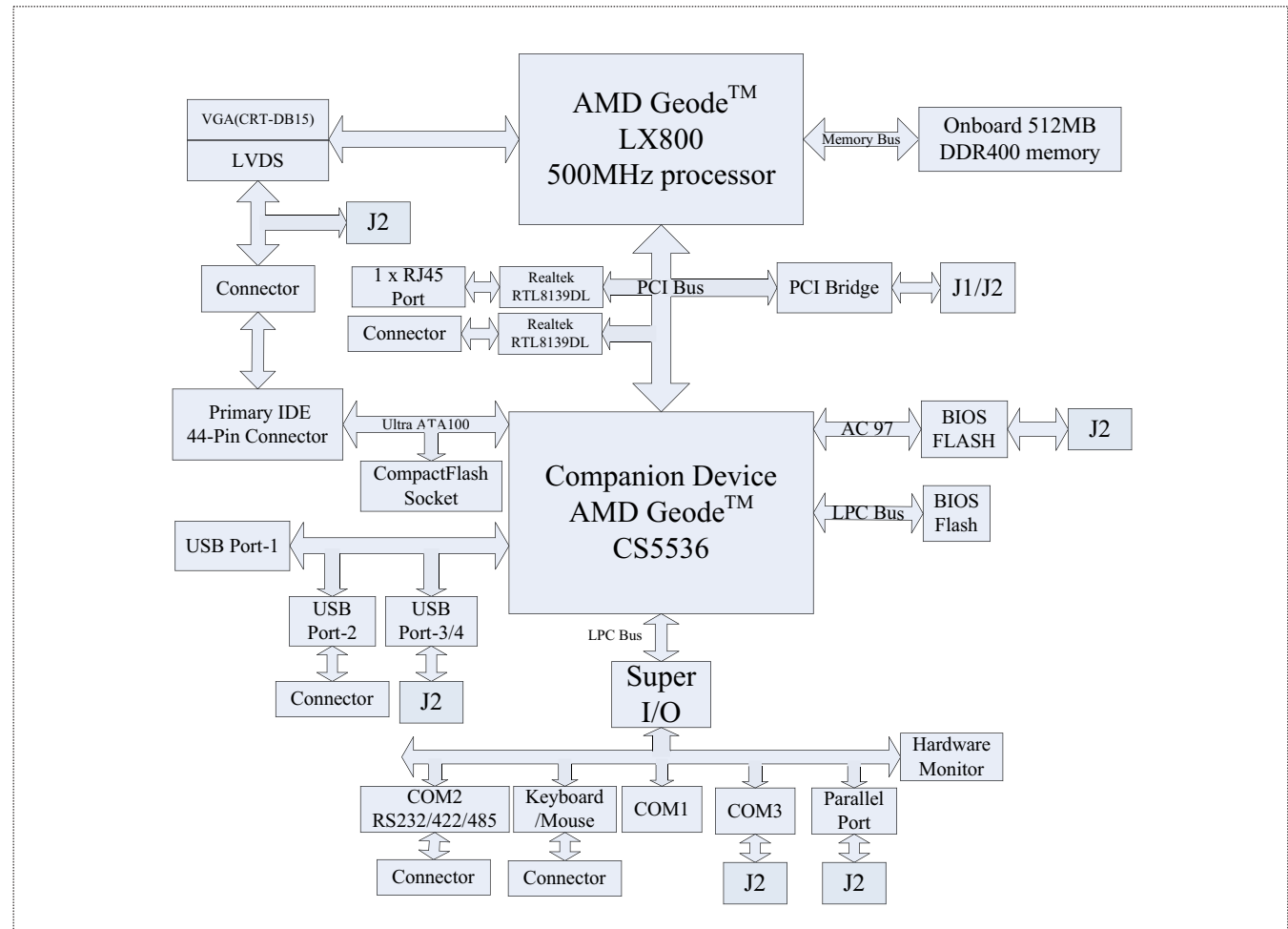


## Specifications

System		
Processor	Onboard AMD Geode™ LX800 500MHz processor, fanless design	
Chipset	AMD Geode™ CS5536	
Memory	Onboard 512MB DDR 400 system memory, supporting up to 1GB	
Hardware Monitor	Monitors system status, voltage, temperature and fan speed etc.	
Watchdog Timer	1~255 sec./min. timer system reset or interrupt, setup by software	
Expansion Interface	32-bit CompactPCI expansion bus. Compliant with PICMG2.0, PICMG2.1	
Storage Interface		
	<b>CPC-3641CLD2NA</b>	<b>CPC-RP3641</b>
IDE	Onboard 1 x 2.5" 44-pin IDE hard disk interface	N/A
CF	1 x CompactFlash socket	N/A
I/O Interface		
USB	2 x USB2.0 port	2 x USB2.0 port
Serial Port	1 x RS232(1x RJ45)	1 x RS232 (10-pin header on board)
	1 x RS232/422/485(1 x DB9 port)	
Parallel Port	N/A	1 x 26-pin parallel Port interface
PMC	N/A	N/A
Display Port	1 x VGA, 1 x LVDS	LVDS(optional)
Audio	N/A	Onboard 1 x Realtek ALC655, supporting AC'97 Mic-in, Line-in, Line-out
KB/MS	1 x PS/2(KB/MS) port	1 x PS/2(KB/MS) port
Ethernet		
Chipset	2 x Realtek RTL8139DL 10/100Mbps Ethernet controller	N/A
Connector	2 x RJ45	N/A

Display	
Chipset	AMD LX800 integrated graphics controller
Memory	Up to 64MB shared system memory
Resolution	VGA mode up to 1280 x 1024@75Hz LCD mode up to 1024 x 768@18/24bit
Dual Display	Supports VGA+LVDS dual simultaneous display
Mechanical and Environmental	
Dimensions	CPC-3641CLD2NA: 100mm(3U) x 161.5mm x 8HP(2-slot width) CPC-RP3641: 100mm(3U) x 81.5mm x 4HP(1-slot width)
Operating Temperature	-15°C~75°C
Storage Temperature	-40°C~80°C
Operating Humidity	5%-95%, non-condensing
Power	
Power Supply	Supports CPCI and ATX power supply
Power Consumption	Typical 7.85W (CPU: Onboard AMD LX800, System Memory: Onboard 512MB DDR400)
Operating System	
Windows OS	Windows XP
Embedded OS	N/A

## Board Diagram



## Related Product

Item	Typical Recommendation
CPCI Chassis	CPC-3408, CPC-3414
Rear I/O Board	CPC-RP3641

## Available Accessories

Part Number	Name	Description	Qty.
2192-005331	Driver CD/Protective film/RoHS	CPC-3641CLD2NA/VER:A1	1
2330-000011	Jumper/SHINNING/ROHS	Pitch: 2.0mm, black, sealed tail	4
2412-000331	Setup Guide/RoHS	AMI/BIOS Setup Guide (for Core/8)/VER:A1	1
2413-010281	User Manual/Chinese/RoHS	CPC-3641CLD2NA/VER:A1	1
2360-005711	COM conversion cable/ROHS	RJ45 to COM(male), length: 550mm	1

## Ordering Information

Part Number	Model Number	Description
0030-007660	CPC-3641CLD2NA	Motherboard
0030-003260	CPC-3641CLD2NA-2	Motherboard
0030-003270	CPC-3641CLD2NA-1	Motherboard
0030-007650	CPC-3641CLD2NA-1-W	Motherboard
0090-003491	CPC-3641-RSTBIN	conversion board/RoHS