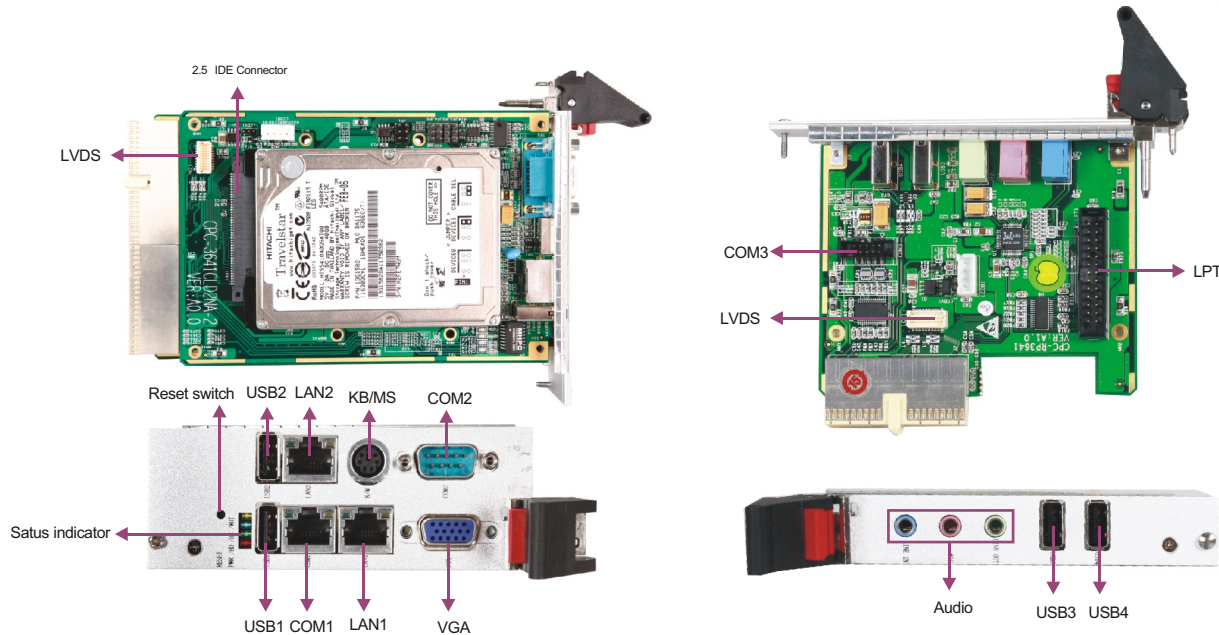


# CPC-3641CLD2NA



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

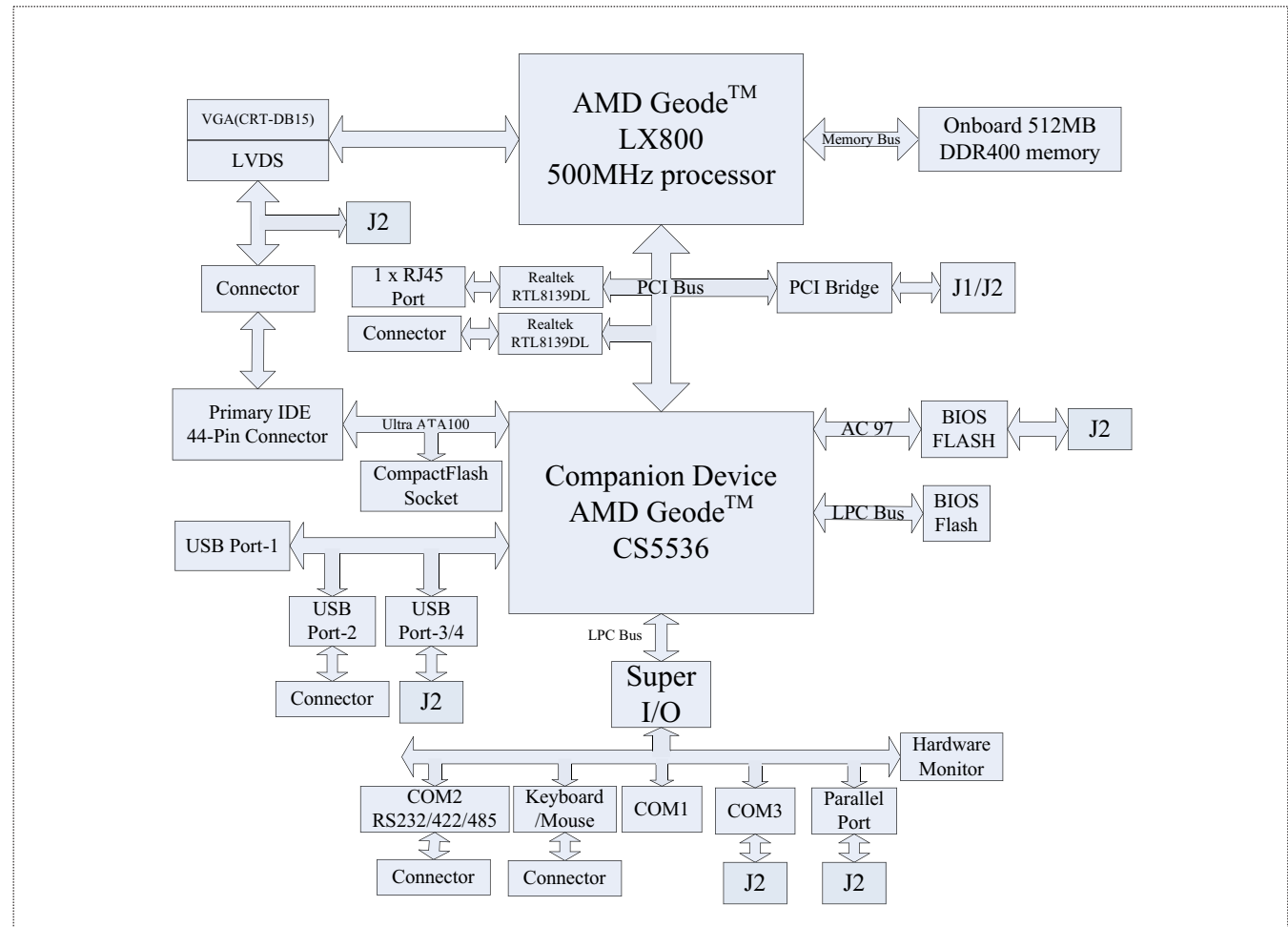


## Specifications

| 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<br>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)<br>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 |