Industrial Single Board Computer

Mini-ITX motherboard

LV-668

AMD Geode NX Platform
Onboard VGA, LAN,
SATA, USB2.0, Serial Port
AC97 5.1 Channel Audio

Form Factor	Mini-ITX compact motherboard
CPU	AMD Geode NX Processors NX 1250@6W/1500@6W Processors supported Fanless with CPU heatsink
Memory	1 x 184-pin DDR SDRAM up to 2GB
Chipset	VIA KN400A & VT8237R
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Power Management	ACPI 1.0 compliant, supports power saving mode with ATX PSU
PCI Enhanced IDE	One UltraATA/100 IDE channels up to 2 ATAPI devices Onboard 1 x 40-pin IDE connectors
VGA Interface	VIA KN400A integrates S3 Graphics UniChrome IGP graphics core MPEG-II hardware accelerator integrated
Video Memory	Up to 64MB shared with system memory
Serial ATA interface	2 x Serial ATA interface with 150MB/s transfer rate RAID 0/1 supported
Audio Interface	VIA VT8237R integrates with REALTEK ALC655 AC97 5.1CH codec
LAN Interface	1 x AMD NetPHY 10/100Mbps PHY
Extended Interface	1 x Onboard PCI slot
External I/O Port	1 x RJ45 LAN ports, 1 x DB15 VGA port and 1 x PS/2 Keyboard/Mouse Port, 1 x RS232 Serial Ports, 1 x S/PDIF, 2 x USB2.0 ports, 1x Parallel Port Line-out/Front, Line-in/Rear and MIC-in/Center
Internal I/O ports	1 x IrDA 2 x USB2.0 port
Power Requirement	Standard 20-pin ATX power supply
Board Dimension	170mm x 170 mm (L x W)
Operation Temperature	Operating within 0~60 centigrade Storage within -20~85 centigrade

Ordering Code	
LV-668	AMD Geode NX processors Mini-ITX motherboard with onboard VGA, LAN, SATA, USB 2.0 Ports, Audio, 1 x RS232 serial port, S/PDIF
LV-668-12	Same as LV-668 and with AMD Geode NX 1250 processor
LV-668-15	Same as LV-668 and with AMD Geode NX 1500 processor

For further product information please visit the website at http://www.commell.com.tw

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