

Mini-ITX Series

NEW

VIA

EPIA SN

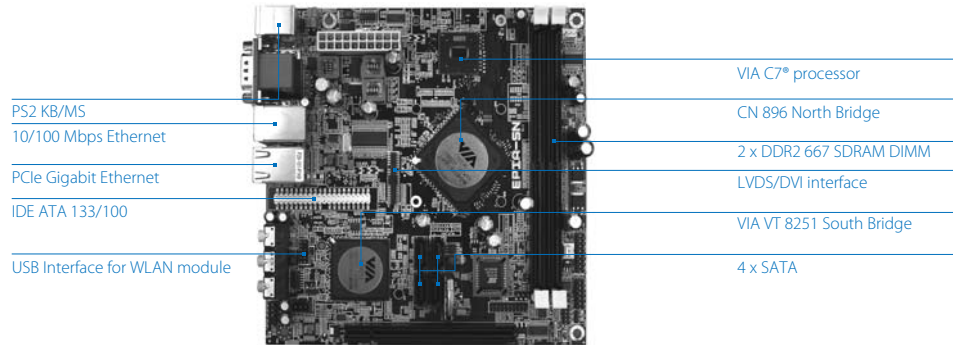
Mini-ITX NanoBGA2 C7®
Board with MPEG-2, PCIe
GigaLAN & PCIe x16

Features

- Integrated VIA Chrome9™ HC graphics with 2D/3D video acceleration and DX9 support
- Supports two DDR2 533/667 DIMM sockets
- Supports PCIe Gigabit Ethernet controller
- Supports HD Audio Codec
- Supports four SATA (3 Gbps) connectors
- Supports onboard TPM



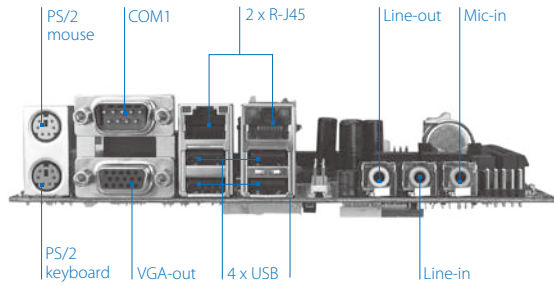
Board Placement



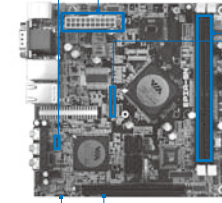
Specifications









Model Name	EPIA SN18000G	EPIA SN10000EG
Processor	VIA C7® 1.8GHz NanoBGA2	VIA Faneless C7® 1.0GHz NanoBGA2
Chipset	VIA CN896 North Bridge VIA VT8251 South Bridge	
System Memory	2 x DDR2 533/667 DIMM sockets. Up to 4GB memory support	
VGA	Integrated VIA Chrome9™ HC graphics with 2D/3D video acceleration and DX9 support	
Expansion Slot	1 x 16-Lane PCIe slot 1 x 32-Bit Mini PCI slot	
Onboard IDE	1 x UltraDMA 133/100/66 connector	
Onboard LAN	1 x VIA VT6103L 10/100 Mbps Ethernet PHY 1 x VIA VT6130 PCIe Gigabit Ethernet controller	
Onboard Audio	VIA VT1708A High Definition Audio Codec	
Onboard TPM	Infineon SLB9635TT 1.2 (Trusted Platform Module)	
Onboard I/O Connectors	4 x SATA (3 Gbps) connectors 2 x Fan pin connectors: CPU/Sys FAN 1 x USB pin connector for 2 additional USB 2.0 ports 1 x LVDS/DVI module connector, for 18/24-bit dual channel LVDS panel (an add-on card is required) 1 x Compact Flash type I connector (share with IDE1) 1 x Serial port pin connector for COM2 (5V/12V selectable) 1 x LPC header 1 x CIR pin connector (switchable for KB/MS) 1 x SIR pin connector (IRDA 1.0) 1 x SMBUS connector 1 x Digital I/O pin connector 1 x S/PDIF out pin connector 1 x Front panel pin connector 1 x Front panel audio pin connector (Mic and Line-out) 1 x ATX power connector	
Back Panel I/O	1 x PS2 mouse port 1 x PS2 keyboard port 1 x Serial port 1 x VGA port 2 x RJ-45 LAN connectors 4 x USB 2.0 ports 3 x Audio jacks for Line-out, Line-in & Mic-in (horizontal, Smart 5.1 support)	
BIOS	AMI BIOS LPC 4/8Mbit flash memory	
Operating System	Windows XP, Linux, Win CE, XPe	
System Monitoring & Management	Fan control CPU voltage monitoring AC power failure recovery System power management Wake-on LAN, Keyboard power-on, Timer Power-on Watch Dog Timer	
Operating Temperature	0°C up to 50°C	
Operating Humidity	0% ~ 95% (relative humidity; non-condensing)	
Form Factor	Mini-ITX (6-layer) 17 cm x 17 cm	

Back Panel I/O



Accessories

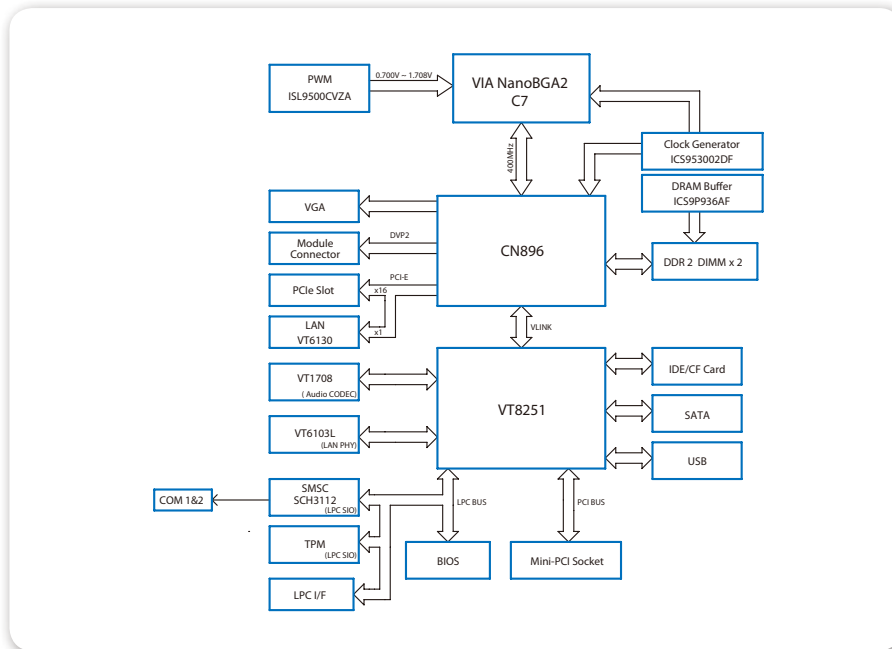


	WLAN USB module 802.11 b/g standards
	PWB-M120 DC-DC power board: 12-24V input/120W output
	LVDS-08 Supports 18/24-bit LCD display
	DVI-04 Supports DVI monitor
	LPC-01 Expansion module for 4 5V/12V COM ports
	LPC-02 Expansion module for 2 RS232 and 2 RS232/422/485
	PCIE-01 1 PCIe riser card
	WLAN Mini PCI 802.11 b/g standards

Ordering Information

Model Name	CPU Frequency	Description
SN18000G	C7® 1.8GHz	Mini-ITX Board with C7® FSB800 1.8GHz CPU, VGA, USB, Dual LAN, LVDS, DVI, 4 x SATA, IDE, Compact Flash, PCIe x 16, TPM
SN10000EG	C7® 1.0GHz	Mini-ITX Fanless Board with C7® 1.0GHz CPU, VGA, USB, Dual LAN, LVDS, DVI, 4 x SATA, IDE, Compact Flash, PCIe x 16, TPM

Block Diagram



Packing List

Items
1 x ATA-66/100/133 IDE ribbon cable
1 x I/O bracket
1 x General installation guide
1 x Driver Utility CD