

MiniSBC 845

Feature Highlights

- √ Intel® 845G chipset
- √ Supports Pentium® 4 with up to 3.06GHz speed
- √ Supports 400/533MHz FSB
- √ Two DDR DIMM sockets for up to 2GB memory
- √ Chipset integrated LAN / VGA for CRT support
- √ Secondary 10/100Mb LAN or Gigabit LAN (option)
- √ 4 USB 2.0 ports, PCI slot, 4 COM, Watchdog timer



ISO 9001

Feature	Description
Chipset	Intel® 845G Chipset
CPU	Socket 478 Intel® Pentium® 4, 1.30GHz~3.06GHz+
Front Side Bus (FSB)	533MHz (133MHz x4) / 400MHz (100MHz x4)
L2 Cache	256K/512K, CPU integrated
BIOS	Award® BIOS, ACPI supported
System Memory	Two DDR slots, support up to 2GB PC200/266 DDR SDRAM
VGA	Intel® 845G chipset integrated
Primary LAN	ICH4 integrated Ethernet, 10Base-T / 100Base-TX
Optional Secondary LAN	Intel® 82540EM Gigabit LAN
Audio	ICH4 integrated audio with AC97 Codec
LPC I/O	Winbond 83627HF supports IrDA x 1, Parallel x 1, COM1 (RS232), COM2 (RS232/422/485), FDC up to 2.88MB (3 Mode support), hardware monitoring
IDE Interface	Built in ICH4; Two enhanced IDE supports 4 IDE devices including UDMA33/66/100, PIO mode 4 and bus master
FDD Interface	Supports one 3.5" floppy disk drive
Parallel Port	One parallel port supports SPP/EPP/ECP
Serial Ports	One RS-232/422/485 and three RS-232 ports COM3 and COM4 supported by Winbond 83627
Watchdog Timer	Generates system reset; 256 levels
USB	4 USB ports (USB 1.1 and 2.0 compliant)
IrDA	Pin header
Keyboard and Mouse Connector	Pin Header
Expansion Slots	1 PCI slot (supports 2 masters)
Power Connector	ATX 12V power connector
Form Factor	5.25" SBC / Embedded Board
Dimensions	203mm x 146mm (8" x 5.75")
Power Consumption	Pentium 4 1.8GHz with 512MB DDR memory: +5V: 5.7A; +12V:8.5A Pentium 4 2.2GHz with 512MB DDR memory: +5V: 6.35.7A; +12V:6.2A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-68°F~176°F)
Relative Humidity	10%~90% (non-condensing)

Ordering Guide	Model #	Item #	Description
	MlniSBC 845	MlniSBC845GLV	Advanced Intel Pentium 4 / 845G Chipset Embedded Board w/ integrated LAN and VGA
MiniSBC 845 (w/ Dual LAN)	MlniSBC845GLLV	Advanced Intel Pentium 4 / 845G Chipset Embedded Board w/ integrated Dual LAN (1x 10/100 & 1x Gigabit) and VGA	