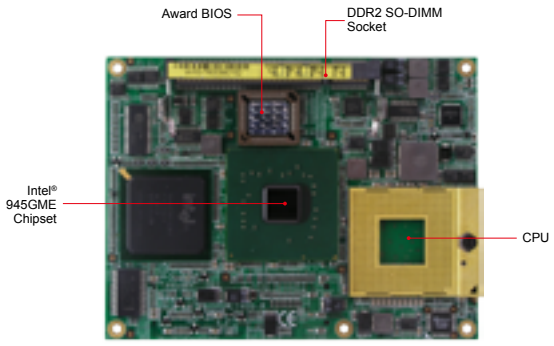
ET900

Intel® Core™2 Duo/Core™ Duo COM Express CPU Module w/ Intel® 945GME Chipset

Intel® Pentium® M-Based



Features

- Supports Intel® Core™2 Duo processors, 533/667MHz FSB
- 1x DDR2 SO-DIMM, Max. 2GB
- Integrated VGA, supports CRT, LVDS, TV out
- Integrated ICH7M 10/100BaseT LAN
- 2x SATA, 8x USB 2.0, AC97, Watchdog timer
- 4x PCI, 6x PCI-E(x1), 1x PCI-E(x16)

Specifications

CPU	Socket M for Intel® Core™2 Duo/Core™ Duo processors
System Memory	1x DDR2 SO-DIMM, Max. 2GB
System Chipset	Mobile Intel® 945GME Express + ICH7M, 533MHz/667MHz FSB
BIOS	Award
Watchdog Timer	256 levels
SSD	N/A
H/W Monitor	Yes
Expansion Slot	COM Express Type II Interface (4x PCI, 6x PCI-E(x1), 1x PCI-E(x16)
VGA Controller	Mobile Intel® 945GME Express integrated Graphics Media Accelerator 950 (GMA 950), for CRT/TV out
VGA Memory	Supports DVMT 3.0; Max. shared memory - 224MB
Display Interface	Supports 18-bit dual channel LVDS
LAN Controller	Intel® ICH7M integrated, 10/100Mbps
Connector	On baseboard
I/O Chipset	Intel® ICH7M 1x IDE, 2x SATA
USB	8 ports (USB 2.0)
Audio	Intel® ICH7M built-in audio + AC97 codec
Others	IrDA, Boot on LAN, Interface to baseboard (for 8x USB, 1x IDE, 4x PCI, 6x PCI-E(x1), 1x PCI-E(x16), 2x SATA, LVDS, VGA, TV-out, LAN, AC97, LPC, GPIO
Dimensions	95mmx 125mm (3.74" x 4.49")
Max. Power Requirement	Intel® Core™2 Duo 2.16GHz w/ 1GB DDR2 +3.3V: 0.95A +5V: 0.76A +12V: 2.86A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)

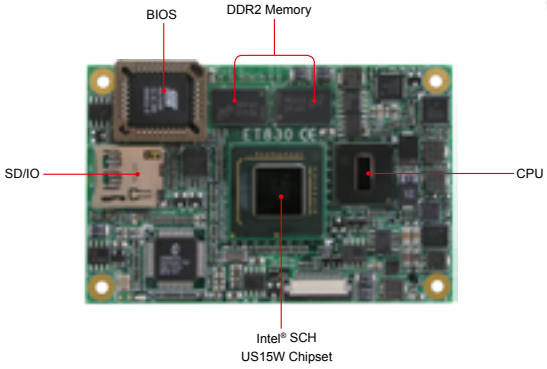
Ordering Information

ET900H	Socket M Intel® 945GME COM Express CPU Module w/ VGA and 10/100 LAN
ICOOL015-P	Heat spreader for ET900 (PGA type)
IP400-R	Flex ATX COM Express Baseboard

ET830

Intel® Atom™ Z530 Nano ETX Express CPU Module w/ Intel® SCH US15W

Intel® Atom™-Based



(Via IP510 baseboard)

Features

- Onboard Intel® Atom™ Z530, 533MHz FSB, 1.6GHz
- DDR2 512MB memory on board
- MicroSD slot on board
- 2GB NAND Flash SSD on board
- Supports dual display, VGA/LVDS via baseboard
- Supports HDTV/HD audio via baseboard
- 2x Gigabit LAN, 1x SATA II, 1x LPT, 6x USB 2.0, 4x COM via baseboard

Specifications

CPU	Intel® Atom™ Z530 on board
System Memory	DDR2 512MB memory on board
System Chipset	Intel® SCH US15W
BIOS	Award
Watchdog Timer	256 levels
SSD	2GB NAND Flash on board
H/W Monitor	Yes
Expansion Slot	SDIO socket onboard 1x PCI, 1x Mini PCI-E(x1) on baseboard (IP510)
VGA Controller	Intel® SCH US15W integrated GMA500
VGA Memory	N/A
Display Interface	18-bit/24-bit single channel LVDS on baseboard (IP510)
LAN Controller	N/A
Connector	2x RJ-45 on baseboard (IP510)
I/O Chipset	All on baseboard (IP510) 1x LPT, 1x KB, 1x mouse 1x SATA 1x RS-232/422/485, 3x RS232
USB	6 ports via baseboard (IP510)
Audio	Intel® SCH US15W built-in audio w/ Realtek ALC662 codec on baseboard (IP510)
Others	Digital I/O (4 in / 4 out) on baseboard (IP510)
Dimensions	84mmx 55mm (3.3" x 2.2")
Max. Power Requirement	Intel® Atom™Processor Z530 1.6GHz w/ 512MB DDR2-533 +3.3V: 0.81A +5V: 0.41A +12V: 0.85A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)

Ordering Information

ET830-16	Intel® Atom™ Z530 (1.6GHz), SCH US15W Nano ETX Express module DDR2 512MB memory + 2GB SSD onboard
HSET830-BGA	Heatsink for ET830 Nano ETX Express module
IP510	Mini ITX baseboard for Nano ETX Express