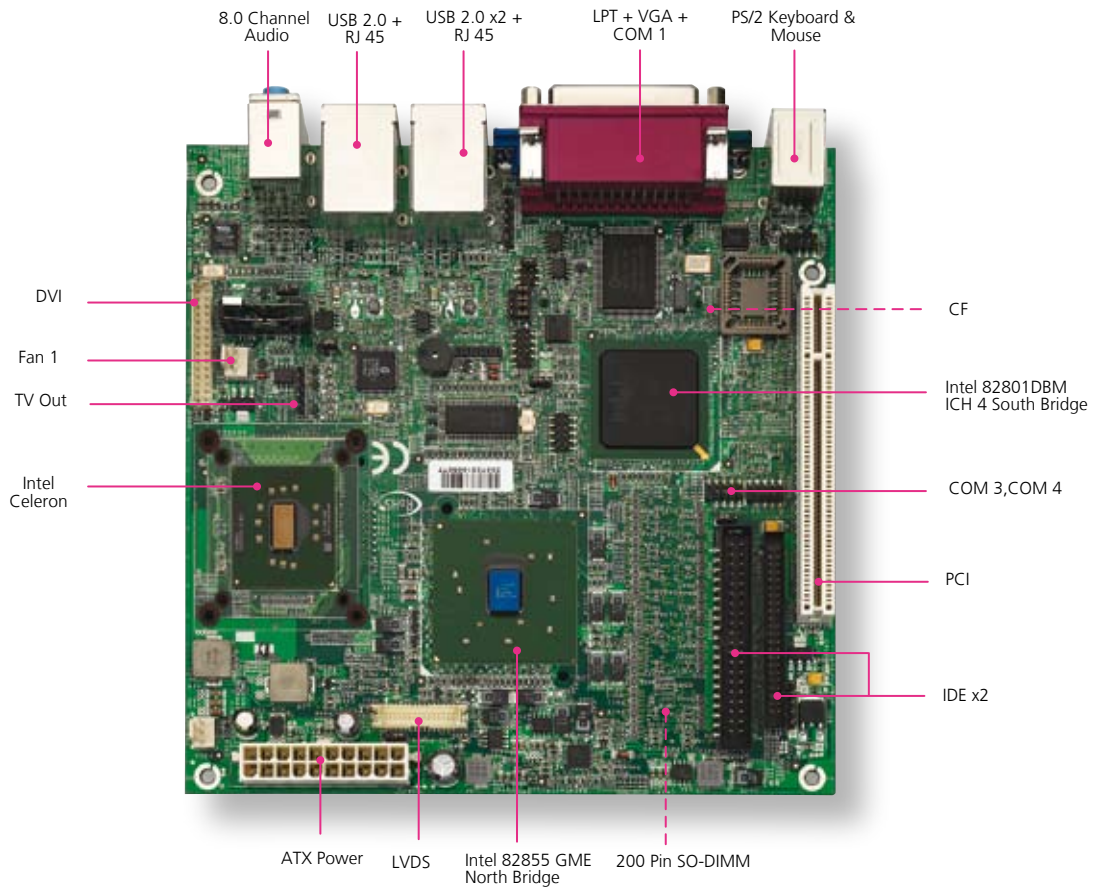


EM-9643

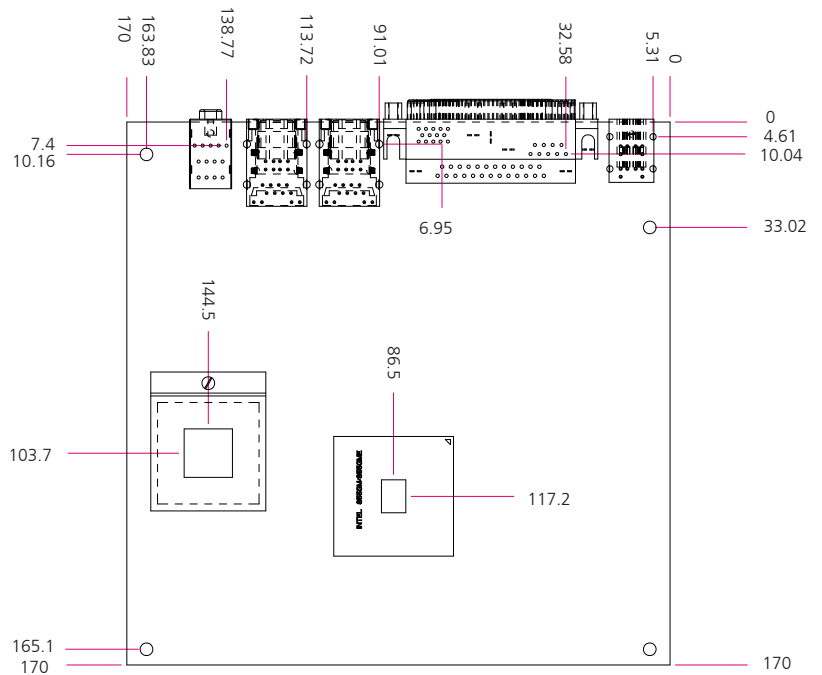
Mini-ITX Intel® ULV Celeron® M EBC with Dual Display/ Dual LAN/ 8.0 Audio/ PCOM/ USB and PCI slot

- VGA
- LVDS
- DVI
- TV-out
- AUDIO
- PCOM
- LAN
- DIO
- PCI



FEATURES

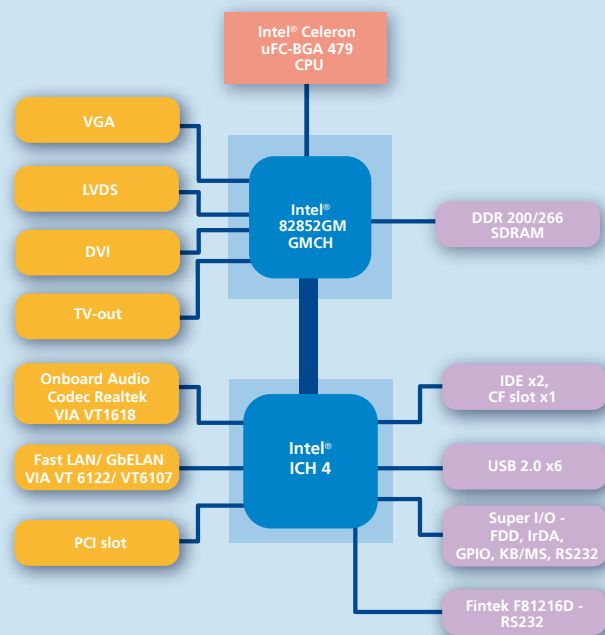
- Onboard ULV Intel Celeron M 600MHz/1GHz
- Intel 852GM + ICH4 chipset
- Dual-channel 36bit LVDS, VGA, DVI, TV-out
- 8.0 channel audio, onboard header
- Dual LAN, Power COM
- USB, IR, DIO, CF
- PCI expansion slots



FEATURE	DESCRIPTION	
Platform	Form Factor	Mini-ITX
	Processor	Onboard Intel Celeron M ULV Processor (600MHz or 1GHz)
	Chipset	82852GM (MCH) + ICH4
	BIOS	AMI Flash BIOS
	Cache Memory	512KB (CPU integrated)
System Memory	Technology	DDR 200/266
	Max Capacity	1GB
	Socket	200-pin SO-DIMM x 1
OS Support	Windows XP, Win CE, Linux	
Storage Interface	IDE Interface	44-pin header x 1, 40-pin x 1
	CompactFlash	CF slot x 1
Networking	Speed	10/100/1000 Mbps, 10/100Mbps
	I/O	RJ-45 x 2
	Controller	VIA VT 6122 and VIA VT 6107 controllers
Display	Controller	Intel 82852GM integrated graphics
	Shared memory	Intel DVM up to 64MB
	Output	VGA x 1, Dual 36 bit LVDS, DVI and TV-out
Audio	Codec	VIA VT1618 with AC97 codec
	I/O	Line-in, line-out, mic
Hardware Monitoring	Serial Port	RS-232 x 3, RS-232/422/485 x 1, (all COM ports support +5/12V;by jumper)
	Universal Serial Bus	6 USB 2.0 (2 via onboard header)
	Digital IO	TTL input x 4, TTL output x 4
	IR Interface	1
	Keyboard	PS/2
	Mouse	PS/2
	Monitor	Voltage and temperature
	RTC	integrated in chipset
	Watchdog timer	256 level software programmable
	Cooling	Heatsink
Expansion	PCI x 1	
Environmental Parameters	Temperature, ambient operating	0~60°C (32~122°F)
	Humidity (RH), ambient operating	0~90%, non-condensing
	Storage Temperature	-20-70°C (-4-158°F)
Physical Dimensions	Dimensions	6.7" x 6.7" (170mm x 170mm)
Power	Input	+12V
	Form Factor	20 pin ATX,power input connector
Compliance	CE, FCC,RoHS	

ORDERING INFORMATION	
EM-9643A	Intel ULV Celeron M 600MHz (512K cache) onboard with VGA/ Fast LAN
EM-9643B	Intel ULV Celeron M 1GHz (zero cache) onboard with VGA/ Fast LAN
EM-9643C	Intel ULV Celeron M 600MHz (512K cache) onboard with VGA/DVI/TV-Out/CF/2 x Dual LAN (1 x GbE and 1 x Fast LAN)
EM-9643D	Intel ULV Celeron M 1GHz (zero cache) onboard with VGA/ DVI/TV-Out/CF/2 x Dual LAN (1 x GbE and 1 x Fast LAN)

PLATFORM ARCHITECTURE



About Lanner

Founded in 1986 and publicly listed (TAIEX 6245) since 2003, Lanner Electronics Inc. is an ISO 9001 certified designer and manufacturer of reliable, frontline security, storage and applied computing platforms and solutions. With headquarters in Taipei, Taiwan and branches in the U.S., India, and China, Lanner is uniquely positioned to deliver custom technical solutions with localized, value-added service.

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