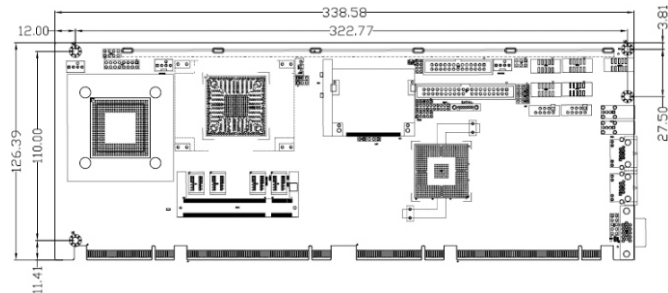
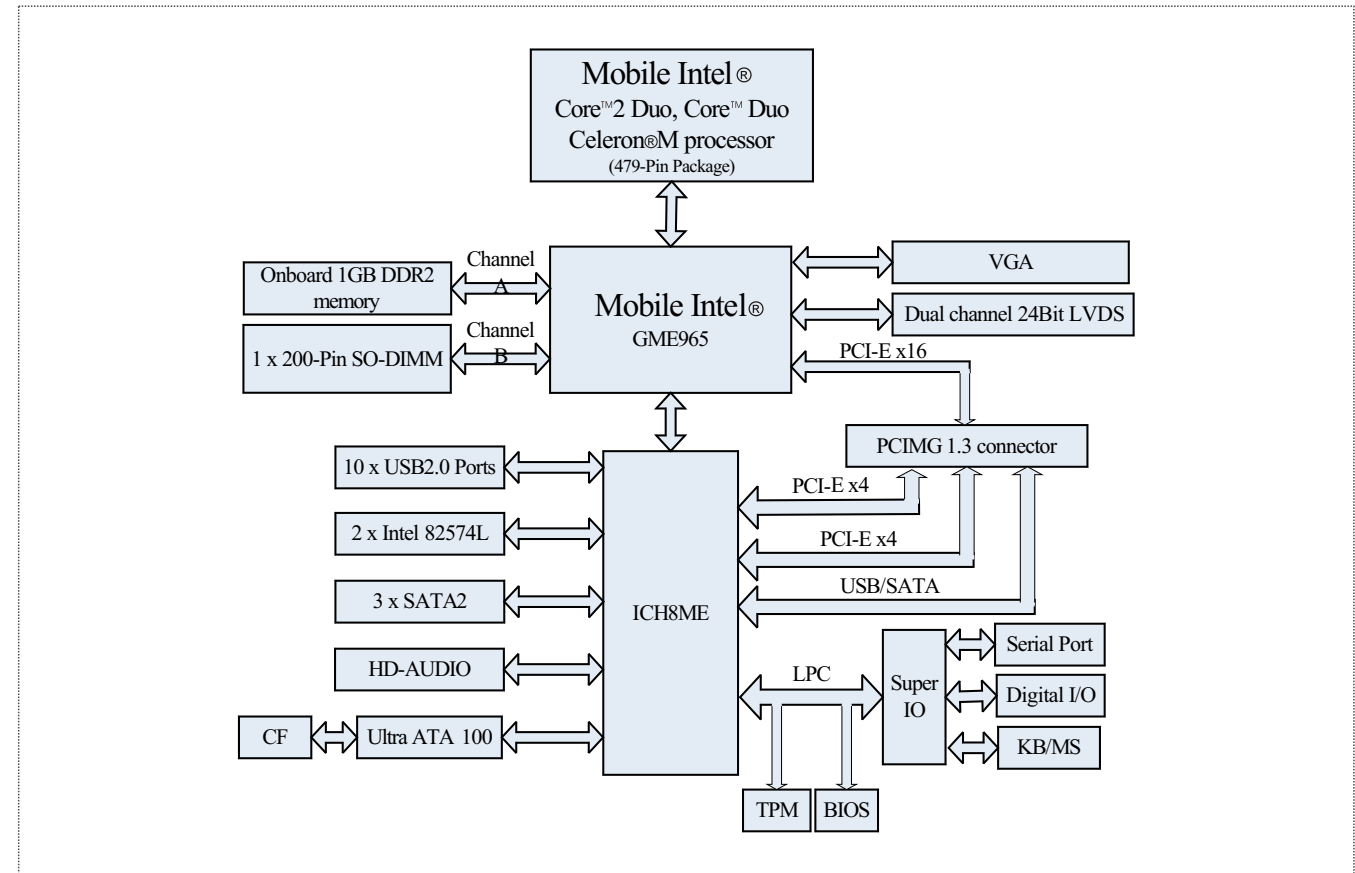


TFM-6814CLD2NA

Full-Size PICMG1.3 Mobile Core™2 Duo CPU Card with TPM/VGA/2GbE/Audio



Board Diagram



Features

- PICMG1.3 Full-Size CPU Card
- Onboard TPM chip, compliant with TPM 1.2
- Supports Mobile Intel® Core™/ Core™M2 Duo ,Celeron® M processor in 479-pin package
- Onboard 1GB DDR2 memory, supporting 1 x 200-pin SO-DIMM, up to 3GB of DDR2 533/667 memory
- Onboard 2 x 10/100M/1000Mbps Ethernet controller
- Supports 10 x USB2.0, 1 x LPT, 4 x COM, 1 x PS/2, 3 x SATA2



Specifications

System	
Processor	Supports Mobile Intel® Core™2 Duo and Celeron® M processor in 479-pin package, with 533/800MHz FSB, (optional onboard Core™2 Duo L7500/1.6GHz CPU)
Chipset	Mobile Intel® GME965 + ICH8ME
Memory	Onboard 1GB DDR2 memory, Supporting 1 x 200-pin SO-DIMM, up to 3GB DDR2 533/667 memory
Hardware Monitor	Monitors system status, voltage, temperature and fan speed
Watchdog Timer	1~255 sec./min. timer system reset or interrupt, setup by software
Expansion Interface	SHB Express PICMG1.3
Storage	
IDE	1 x 40-pin Ultra ATA 100 interface
Serial ATA	3 x Serial ATA 300MB/s interface, supporting RAID 0,1
Floppy	N/A
CF	1 x Compact Flash Socket Type I/II
DOC/DOM	N/A
I/O Interface	
USB	10 x USB2.0 Port, available interfaces of 5 x 9-pin header onboard (Two in rear panel, Four onboard, Four by backplane)
Serial Port	4 x RS-232, available interfaces of 4 x 10-pin header onboard, COM1 support RS232/422/485
Parallel Port	1 x 26-pin header onboard
IrDA	1 x 5-pin header onboard
GPIO	1 x 8-pin header onboard, supporting 4-way digital input and 4-way digital output
Audio	Supports Intel® HDA, available interfaces of Speaker-out, Line-in and Mic-in
Keyboard/Mouse	1 x 10-pin header onboard
TPM	Supports TPM 1.2

Display	
Chipset	Intel® 965GME integrated graphics controller X3100 speed at 500MHz
Memory	256MB shared memory
Resolution	VGA mode up to 2048 x 1536@75Hz LVDS mode up to 2048 x 1536@60Hz(dual channel)
Dual Display	Supports CRT+LVDS dual independent display
Ethernet	
Chipset	2 x Intel® 82574L, supporting WOL
Speed	10/100M/1000Mbps
Connector	2 x RJ45
Mechanical and Environmental	
Dimensions	338mm x 126mm
Operating Temperature	-20°C~60°C (optional -40°C~60°C)
Storage Temperature	-40°C~70°C
Operating Humidity	20%-93%, 40°C non-condensing
Power	
Power Supply	Supports ATX power supply
Power Consumption	N/A
Operating System	
Windows OS	Windows 2000/ Windows XP
Embedded OS	Linux/XP Embedded

Related Products

Item	Typical Recommendation
Mobile Intel® Series CPU	Intel® Core™2 Duo T7500 /2.2 GHz with 35 watts thermal design power (TDP) Intel® Core™2 Duo L7500/1.6 GHz (17 watts TDP) Intel® Core™2 Duo U7500 at 1.06 GHz (10 watts TDP) Intel® Celeron® M 550/2.0 GHz (31 watts TDP)
4U Chassis + Backplane	4U Chassis Backplane IPC-810B IPC-8421, IPC-2402, IPC-2403, IPC-2404, SPC-0401 PCI-6110E5
Power Supply	ATX, available 270W/350W/400W

Ordering Information

Part Number	Description
TFM-6814CLD2NA	Motherboard/RoHS, onboard Intel® Core™2 Duo® L7500/1GB
TFM-6814LD2NA	Motherboard/RoHS, 479-pin Socket