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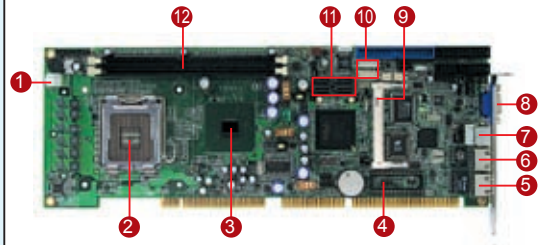
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NEAT-F9150-LF

Ordering Information

LGA775 Pentium 4 supports up to 3.8GHz FSB-533/800 MHz ISA/PCI Bus Full Size CPU board on Intel 915GV base, equips with VGA/LVDS, Dual LAN (1 PCI Express Giga), DDR, SATA, Mini PCI and DOC interfaces

Core Logic	Intel 915GV and ICH6
Processor	LGA775 Pentium4, 533/800MHz FSB up to 3.8GHz
Memory	DDR, DDR333/400 up to 2GB
Display	Intel 915GV integrated VGA, Chrontel CH7308 18/24-bit Single/Dual LVDS under DVO supports
Ethernet	Dual LAN with 1 Giga option by Intel 82551QM 10/100 and Marvell 88E8053 PCI Express based Giga
I/O Features	Mini PCI, SATA x 4, LAN x 2, USB x 4, Audio, RS-232 COM1, RS-232, 422, 485 COM2, DOC socket, PS/2 connector x 1 for Y-Cable
Power	ATX (12V 4-pin connector for Pentium 4 processor) +3.3V/0.3A, +5V/6.23A, +12V/10.83A, +5Vsb/0.26A Based on 3.6GHz LGA775 Pentium 4 with 1GB DDR Memory



1. 4-Pin 12V
2. LGA775 Pentium 4 Socket
3. Intel 915GV
4. DOC
5. RJ-45 PCI Express Giga LAN
6. RJ-45 10/100 LAN
7. PS/2 (Y-Cable)
8. D-Sub VGA
9. Mini PCI
10. Dual LVDS
11. SATA x 4
12. DDR Sockets

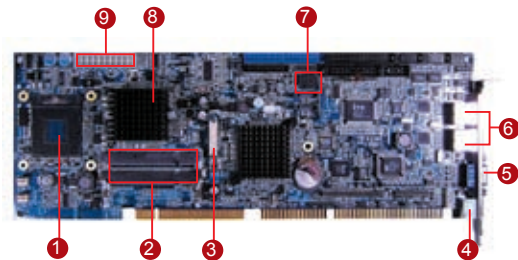


NEAT-F9151-LF

Ordering Information

Socket479 Pentium M supports up to 2.26GHz FSB-400/533 MHz ISA/PCI Bus Full Size CPU board on Intel 915GM base, equips with VGA/LVDS/DVI, Dual Giga LAN, DDR II SODIMM and CompactFlash interfaces

Core Logic	Intel 915GM and ICH6M
Processor	Socket479 Pentium M, 400/533MHz FSB up to 2.06GHz
Memory	SODIMM DDR II, DDR400/533 up to 2GB
Display	Intel 915GV integrated VGA, 18-bit LVDS and DVI
Ethernet	Dual Giga LAN by Marvell 8052 PCI Express
I/O Features	EPIC, LAN x 2, USB x 6, Audio, COM x 2, PS/2 connector x 1 for Y-Cable, CF
Power	ATX (20-pin ATX connector) +5V/4.557A, +12V/1.665A -12V/0.14A, +5Vsb/0.16A Base on 2.0GHz Pentium M and 512MB DDR II SODIMM



1. Socket 479 Pentium M
2. DDR II SODIMM Sockets
3. LVDS
4. PS/2 (Y-Cable)
5. D-Sub VGA
6. Dual RJ-45 PCI Express Giga LAN
7. SATA x 2
8. Intel 915GV
9. 20-Pin ATX



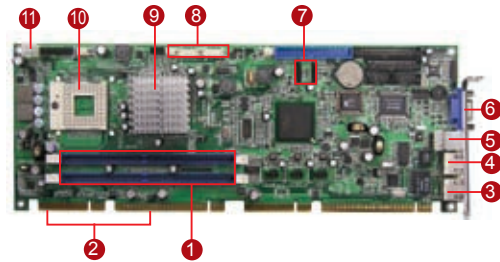
NEAT-F9152-LF, NEAT-F9152G-LF

Ordering Information

Socket479 Pentium M supports up to 2.26GHz FSB-400/533 MHz ISA/PCI Bus Full Size CPU board on Intel 915GM base, equips with VGA/LVDS, 10/100 based and optional PCI Express Giga LAN (2nd LAN), DDR II and SATA interfaces

NEAT-F9152G-LF: Same as NEAT-F9152-LF, PCI Express Giga LAN as standard

Core Logic	Intel 915GM and ICH6M
Processor	Socket479 Pentium M, 400/533MHz FSB up to 2.06GHz
Memory	DDR II, DDR400/533 up to 2GB
Display	Intel 915GM integrated VGA and 18-bit LVDS
Ethernet	ICH6M integrated 10/100 LAN, NEAT-F9152G-LF built with 2nd LAN by Marvell 88E8053 PCI Express Giga as standard
I/O Features	PICMG1.3, LAN x 1 (x 2 for NEAT-F9152G), USB x 6, SATA x 2, Audio, RS-232 COM x 2, PS/2 x 1 for Y-Cable
Power	ATX and AT +5V/7.37A, +3.3V/0.2A, +12V/5.16A, 5Vsb/0.61A Base on 2GHz Pentium M and 1GB DDR II



1. DDR II Sockets
2. PICMG 1.3
3. RJ-45 PCI Express Giga LAN
4. RJ-45 10/100 LAN
5. PS/2 (Y-Cable)
6. D-Sub VGA
7. SATA x 2
8. Dual LVDS
9. Intel 915GM
10. Socket479 Pentium M
11. 4-Pin 12V

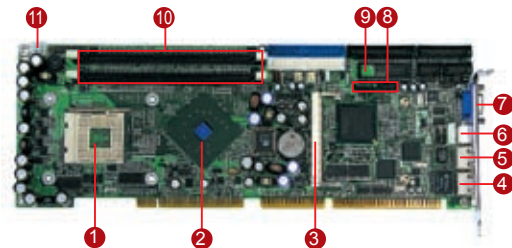


NEAT-875P2E-LF

Ordering Information

Socket478 Pentium 4 supports up to 3.2GHz FSB-533/800MHz ISA/PCI Bus Full Size CPU board on Intel 875P platform, equips with Hyper-Threading, RAID, ECC, VGA/MicroAGP expansion, Dual LAN (includes 1 Giga), DDR, SATA and DOC interfaces

Core Logic	Intel 875P and ICH5R
Processor	Socket478 Hyper-Threading, 533/800MHz FSB up to 3.2GHz
Memory	DDR, DDR266/333/400 up to 2GB, ECC supported
Display	MicroAGP expansion, optional ATI Mobility M9 or M10 display engine for VGA, LVDS, TV-out (and 2nd VGA)
Ethernet	Dual LAN by one Intel 82551QM 10/100 base and one 82547GI Giga
I/O Features	RAID 0/1, SATA x 2, LAN x 2, USB x 4, Audio, RS-232 COM1, RS-232, 422, 485 COM2 PS/2 x 1 for Y-Cable
Power	ATX (12V 4-pin connector for Pentium 4 processor) +5/5.17A, +12V/6.17A Base on 3.0GHz Pentium 4 and 256MB DDR



1. Socket478 Pentium 4
2. Intel 875P
3. Micro AGP
4. RJ-45 Giga LAN
5. RJ-45 10/100 LAN
6. PS/2 (Y-Cable)
7. D-Sub VGA
8. SATA
9. DOC
10. DDR Sockets
11. 4-Pin 12V

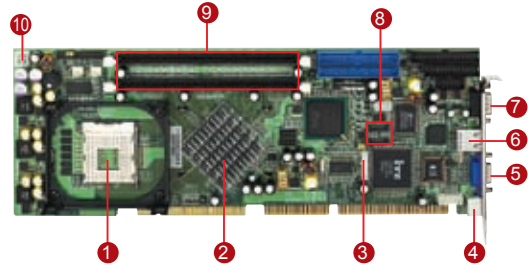


NEAT-865GES-LF

Ordering Information

Socket478 Pentium 4 supports up to 3.2GHz FSB-533/800MHz ISA/PCI Bus Full Size CPU board on Intel 865G base, equips with Hyper-Threading, VGA, Giga LAN, DDR, SATA and Audio interfaces, optional audio daughter card

Core Logic	Intel 865G and ICH6
Processor	Socket478 Hyper-Threading, 533/800MHz FSB up to 3.2GHz
Memory	DDR, DDR333/400 up to 2GB
Display	Intel 865G integrated VGA
Ethernet	Intel 82547GI Giga
I/O Features	SATA x 2, LAN x 1, USB x 4, RS-232 COM x 2, PS/2 x 1 for Y-Cable, Optional audio daughter board with bracket
Power	AT and ATX (12V 4-pin connector for Pentium 4 processor) +5V/ 4.5A, +12V/ 3.3A, -12V/ 46mA, +5Vsb/ 47mA Base on 2.8GHz Pentium4 and 256MB DDR



1. Socket478 Pentium 4
2. Intel 865G
3. Audio header
4. PS/2 (Y-Cable)
5. D-Sub VGA
6. RJ-45 Giga LAN
7. D-Sub COM
8. SATA x 2
9. DDR Sockets
10. 4-Pin 12V



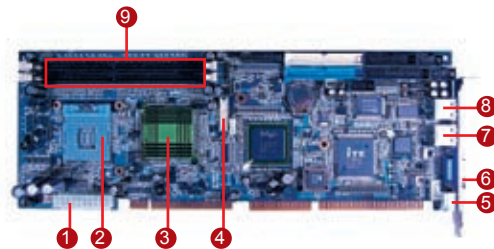
September, 2006

NEAT-855VE2M-LF

Ordering Information

Socket479 Pentium M supports up to 2.0GHz FSB-400MHz ISA/PCI Bus Full Size CPU board on Intel 855GME base, equips with VGA/18-bit LVDS, Dual LAN (includes 1 Giga), DDR, Audio and CompactFlash interfaces

Core Logic	Intel 855GME and ICH4
Processor	Socket479 Pentium M, 400MHz FSB up to 2.0GHz
Memory	DDR, DDR266/333 up to 2GB
Display	855GME integrated VGA and 18-bit LVDS
Ethernet	Dual LAN by one Intel 82562EM 10/100 base and one 82541GI Giga
I/O Features	LAN x 2, USB x 4, RS-232 COM1, RS-232/422/485 COM2, PS/2 connector x 1 for Y-Cable, Audio, CF socket, EPCI
Power	ATX and AT (20-pin ATX connector) +5V/2.8A, +12V/1.93A Base on 1.3GHz Pentium M and 256MB DDR



1. 20-Pin ATX
2. Socket479 Pentium M
3. Intel 855GME
4. LVDS
5. PS/2 (Y-Cable)
6. D-Sub VGA
7. RJ-45 Giga LAN
8. RJ-45 10/100 LAN
9. DDR Sockets

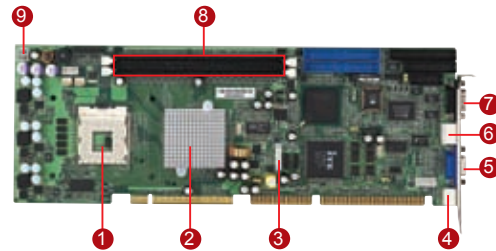


NEAT-F8451-LF

Ordering Information

Socket478 Pentium 4 supports up to 2.8GHz FSB-400/533MHz ISA/PCI Bus Full Size CPU board on Intel 845GV base, equips with VGA, LAN, DDR interfaces, optional audio daughter card

Core Logic	Intel 845GV and ICH4
Processor	Socket478 Pentium 4 (Prescott), 400/533MHz FSB up to 2.8GHz
Memory	DDR, DDR200/266 up to 2GB
Display	Intel 845GV integrated VGA
Ethernet	Intel 82562ET 10/100 LAN
I/O Features	LAN x 1, USB x 4, RS-232 COM1, RS-232/422/485 COM2, PS/2 x 1 for Y-Cable, optional audio daughter board with bracket
Power	ATX and AT (4-pin 12V for Pentium 4 processor) +5V/2.9A, +12V/3.8A, +3.3V/270mA, +5Vsb/0.4A Base on 2.53GHz Pentium 4 and 512MB DDR
Remark	Estimated to be EOL by Q4 2007, subjects to availability of Intel 845GV



1. Socket478 Pentium 4
2. Intel 845GV
3. Audio header
4. PS/2 (Y-Cable)
5. D-Sub VGA
6. RJ-45 10/100 LAN
7. D-Sub COM
8. DDR Sockets
9. 4-Pin 12V



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Backplanes

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Chassis

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Industrial Power Supplies

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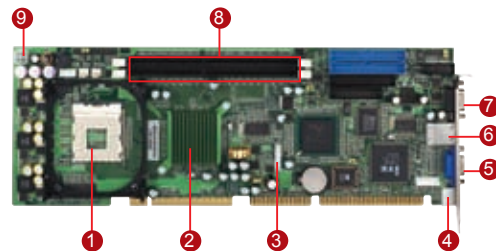
Panel W/S & Displays

NEAT-F8450

Ordering Information

Socket478 Pentium 4 supports up to 3.06GHz FSB-400/533MHz ISA/PCI Bus Full Size CPU board on Intel 845GV base, equips with VGA, LAN, DDR interfaces, optional audio daughter card

Core Logic	Intel 845GV and ICH4
Processor	Socket478 Pentium 4 , 400/533MHz FSB up to 3.06GHz
Memory	DDR, DDR200/266 up to 2GB
Display	Intel 845GV integrated VGA
Ethernet	Intel 82562ET 10/100 LAN
I/O Features	LAN x 1, USB x 4, RS-232 COM1, RS-232/422/485 COM2, PS/2 x 1 for Y-Cable, optional audio daughter board with bracket
Power	ATX only (4-pin 12V for Pentium 4 processor) +5V/2.846A, +12V/4A, +3.3V/255mA, +5Vsb/396mA Base on 2.53GHz Pentium 4 and 512MB DDR
Remark	Estimated to be EOL by Q4 2007, subjects to availability of Intel 845GV



1. Socket478 Pentium 4
2. Intel 845GV
3. Audio header
4. PS/2 (Y-Cable)
5. D-Sub VGA
6. RJ-45 10/100 LAN
7. D-Sub COM
8. DDR Sockets
9. 4-Pin 12V

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Data Acquisition Cards

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Multi Serial Ports Cards

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PCMCIA Adaptors

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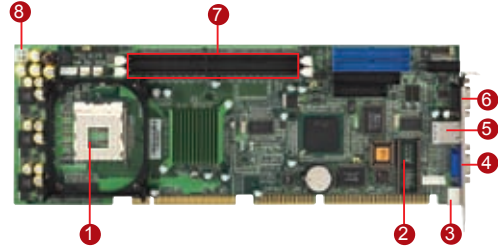
Accessories

NEAT-845GVE

Ordering Information

Socket478 Pentium 4 supports up to 3.0GHz FSB-400/533MHz ISA/PCI Bus Full Size CPU board on Intel 845GV base, equips with VGA, DDR, LAN and DOC interfaces

Core Logic	Intel 845GV and ICH4
Processor	Socket478 Pentium 4 , 400/533MHz FSB up to 3.0GHz
Memory	DDR, DDR200/266 up to 2GB
Display	Intel 845GV integrated VGA
Ethernet	Intel 82562ET 10/100 LAN
I/O Features	LAN x 1, USB x 4, RS-232 COM1, RS-232/422/485 COM2, DOC, PS/2 x 1 for Y-Cable
Power	ATX only (4-pin 12V for Pentium 4 processor) +5V/450mA, +12V/2.343A, +3.3V/2.49A, +5Vsb/95mA
Remark	Base on 2.4GHz Pentium 4 and 128MB DDR Estimated to be EOL by Q4 2007, subjects to availability of Intel 845GV



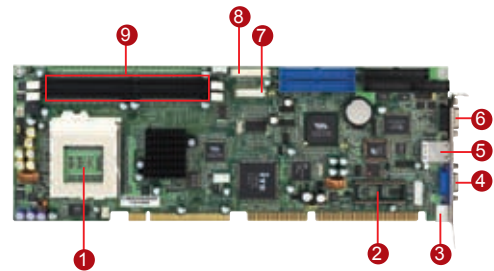
1. Socket478 Pentium 4
2. DOC
3. PS/2 (Y-Cable)
4. D-Sub VGA
5. RJ-45 10/100 LAN
6. D-Sub COM
7. DDR Sockets
8. 4-Pin 12V

NEAT-680VE

Ordering Information

Socket370 Pentium III supports up to Tualatin 1.26GHz FSB-100/133MHz ISA/PCI Bus Full Size CPU board on VIA CLE266 base, equips with VGA/LVDS/TTL, DDR, LAN, Audio and DOC interfaces

Core Logic	VIA CLE266 and VT8235
Processor	Socket370 Pentium III Tualatin, 100/133MHz FSB up to 1.26GHz
Memory	DDR, DDR200/266 up to 2GB
Display	CLE266 integrated VGA/LVD/TTL
Ethernet	Realtek RTL8100BL 10/100 LAN
I/O Features	LAN x 1, USB (2.0) x 4, RS-232 COM1, RS-232/422/485 COM2, PS/2 connector x 1 for Y-Cable, Audio, DOC sockets
Power	ATX only +5V/6.8A, +12V/0.47A, +3.3V/0.26A, +5Vsb/360mA
Remark	Base on 866MHz Pentium III and 512MB DDR Estimated to be EOL by Q4 2006, no RoHS implementation plan



1. Socket370 Pentium III (up to Tualatin)
2. DOC
3. PS/2 (Y-Cable)
4. D-Sub VGA
5. RJ-45 10/100 LAN
6. D-Sub COM
7. TTL
8. LVDS
9. DDR Sockets

DDR

NEAT-H8550-PM1400-LF, NEAT-H8550-CM1000-LF

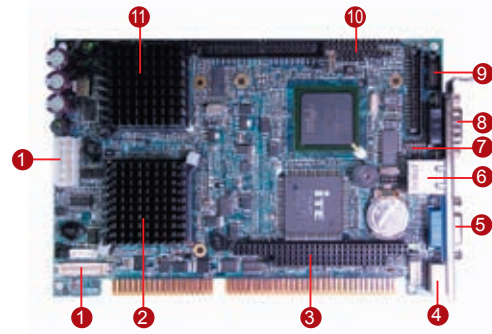
Ordering Information

ISA Bus uFCBGA on Intel 855GME base Pentium M Half Size CPU card, equips with on board Low Voltage Pentium M 1.4GHz CPU, VGA/18-bit LVDS, LAN, DDR SODIMM, Audio, PC/104 and CompactFlash interfaces

NEAT-H8550-CM1000-LF:

Same as NEAT-H8550-PM1000-LF, equips with ULV Celeron M 1.0GHz CPU on board

Core Logic	Intel 855GME and ICH4
Processor	uFCBGA Low Voltage Pentium M, 400MHz FSB 1.4GHz, NEAT-H8550-CM1000-LF: uFCBGA ULV Celeron M 1.0GHz
Memory	DDR SODIMM, DDR266/333 up to 1GB
Display	Intel 855GME integrated VGA, 18-bit LVDS
Ethernet	Intel 82562EM 10/100 LAN
I/O Features	LAN x 1, USB x 2, RS-232 COM1, RS-232/422/485 COM2, Audio, PS/2 x 1 for Y-Cable, CompactFlash, PC/104
Power	ATX and AT (10-pin ATX connector) +5V, +12V, -12V, +5Vsb (Power requirement is under evaluation)



1. 18-bit LVDS
2. Intel 855GME
3. PC/104
4. PS/2 (Y-Cable)
5. D-Sub VGA
6. RJ-45 10/100 LAN
7. COM-2 header
8. D-Sub COM
9. Audio header
10. USB x 2 header
11. uFCBGA pentium M 1.4GHz



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Backplanes

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Chassis

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Industrial Power Supplies

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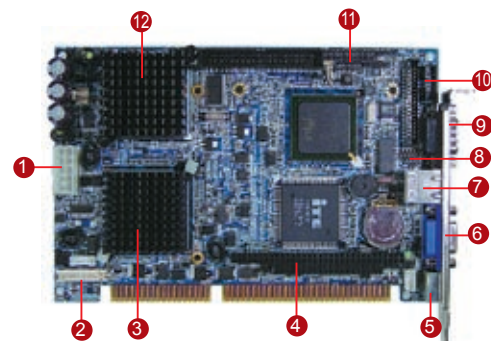
Panel W/S & Displays

NEAT-695-LF

Ordering Information

ISA Bus uFCBGA on Intel 852GM base Celeron M Half Size CPU card, equips with on board Ultra Low Voltage Celeron M 600MHz CPU, VGA/18-bit LVDS, LAN, DDR SODIMM, Audio, PC/104 and CompactFlash interfaces (Note: L2 cache is not available on ULV Celeron M 600MHz CPU)

Core Logic	Intel 852GM and ICH4
Processor	Ultra Low Voltage Celeron M 600MHz CPU, 400MHz FSB, L2 cache is not available
Memory	DDR SODIMM, DDR266 up to 1GB
Display	Intel 852GM integrated VGA, 18-bit LVDS
Ethernet	Intel 82562EM 10/100 LAN
I/O Features	LAN x 1, USB x 2, RS-232 COM1, RS-232/422/485 COM2, Audio, PS/2 x 1 for Y-Cable, CompactFlash, PC/104
Power	ATX and AT (10-pin ATX connector) +5V/2.99A, +12V/52mA, -12V/53mA, +5Vsb/163mA Base on on-board 600MHz Celeron M and 256MB DDR SODIMM



1. 10-Pin ATX
2. 18-bit LVDS
3. Intel 852GM
4. PC/104
5. PS/2 (Y-Cable)
6. D-Sub VGA
7. RJ-45 10/100 LAN
8. COM-2 header
9. D-Sub COM
10. Audio header
11. USB x 2 header
12. uFCBGA ULV Celeron M 600MHz



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Data Acquisition Cards

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Multi Serial Ports Cards

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PCMCIA Adaptors

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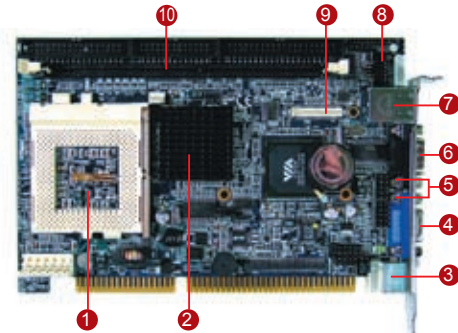
Accessories

NEAT-685-LF

Ordering Information

ISA Bus Socket370 on VIA CLE266 base Pentium III/ Tualatin Half Size CPU card, equips with VGA/24-bit TTL, DDR, CompactFlash and EPCI interfaces

Core Logic	VIA CLE266 and VT8235
Processor	Socket370 Pentium III Tualatin, 100/133MHz FSB up to 1.26GHz
Memory	DDR, DDR200/266 up to 1GB
Display	CLE266 integrated VGA/LVDS/TTL
Ethernet	VIA VT6103 10/100 LAN
I/O Features	LAN x 1, USB (2.0) x 4, RS-232 COM1, RS-232/422/485 COM2, PS/2 x 1 for Y-Cable, CompactFlash
Power	AT and ATX +5V/5.85A, +12V/0.12A Base on 1.26GHz Tualatin and 128MB DDR
Remark	Estimated to be EOL by Q1 2007



1. Socket370 Pentium III (up to Tualatin)
2. VIA CLE266
3. PS/2 (Y-Cable)
4. D-Sub VGA
5. USB x 4 header (USB 2.0)
6. D-Sub COM
7. RJ-45 10/100 LAN
8. COM-2 header
9. TTL
10. DDR Socket



NEAT-HMark-533-LF, NEAT-HMark-800-LF

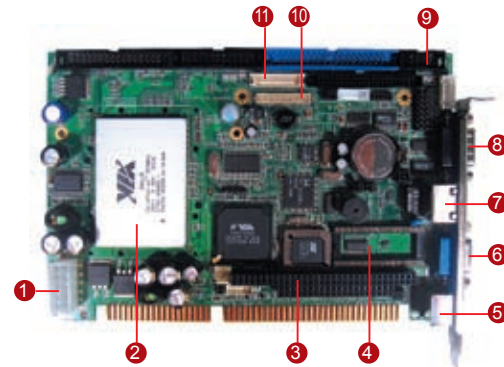
Ordering Information

ISA Bus on VIA Mark base Pentium III Half Size CPU card, equips with on board Mark 533MHz CPU, VGA/LVDS/TTL, SODIMM, Audio, PC/104 and DOC interfaces

NEAT-HMark-800-LF:

Same as NEAT-HMark-533-LF, equips with VIA Mark 800MHz CPU on board

Core Logic	VIA Mark (VT8606 and Eden CPU integrated) and VT82C686B
Processor	BGA type, VIA Mark 100/133MHz FSB, 533MHz or 800MHz CPU on board
Memory	SODIMM, PC100/133 up to 512MB
Display	VIA Mark integrated VGA/18-bit LVDS/TTL
Ethernet	Realtek RTL8100C(L) 10/100 LAN
I/O Features	LAN x 1, USB (1.1) x 2, RS-232 COM1, RS-232/422/485 COM2, PC/104, DOC, Audio, PS/2 connector x 1 for Y-Cable
Power	ATX and AT (10-pin ATX connector) +5V/2.52A, +12V/65mA, -12V/6mA, +5Vsb/220mA Base on on-board Mark 533MHz and 128MB SDRAM SODIMM



1. 10-Pin ATX
2. VIA Mark533MHz CPU (Core Fusion, with North Bridge integrated)
3. PC/104
4. DOC
5. PS/2 (Y-Cable)
6. D-Sub VGA
7. RJ-45 10/100 LAN
8. D-Sub COM
9. COM-2 header
10. TTL
11. LVDS



NEAT-675-400, NEAT-675-733

Ordering Information

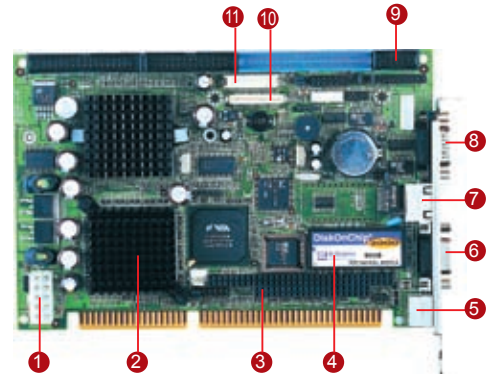
ISA Bus on VIA VT8606 base Half Size CPU card, equips with on board Eden 400MHz low power CPU, VGA/24-bit TTL/18-bit LVDS, LAN, SODIMM, Audio, DOC and PC/104 interfaces

NEAT-675-733:

Same as NEAT-675-400, equips with Eden 733MHz CPU on board

Core Logic	VIA VT8606 and VT82C686B
Processor	BGA type VIA Eden 133MHz FSB, 400MHz or 733MHz
Memory	SODIMM, PC100/133 up to 512MB
Display	VIA VT8606 integrated VGA/18-bit LVDS/TTL
Ethernet	Realtek RTL8100BL 10/100 LAN
I/O Features	LAN x 1, USB (1.1) x 2, RS-232 COM1, RS-232/422/485 COM2, PC/104, DOC, Audio, PS/2 x 1 for Y-Cable
Power	ATX and AT +5V/2.10A, +12V/0.08A Base on 400MHz Eden and 64MB SDRAM SODIMM

Remark: Estimated to be EOL by 2006



1. 10-Pin ATX
2. VIA Eden 733 MHz
3. PC/104
4. DOC
5. PS/2 (Y-Cable)
6. D-Sub VGA
7. RJ-45 10/100 LAN
8. D-Sub COM
9. COM-2 header
10. TTL
11. LVDS

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Backplanes

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Chassis

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Industrial Power Supplies

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Panel W/S & Displays

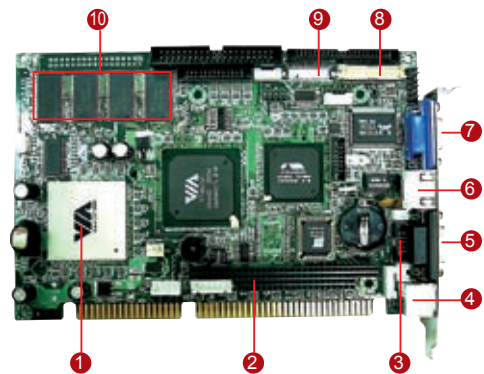
NEAT-686-733

Ordering Information

ISA Bus on VIA VT8606 base Half Size CPU card, equips with on board Eden 733MHz low power CPU and 64MB SDRAM, VGA/24-bit TTL/18-bit LVDS, LAN, SODIMM, PC/104 and CompactFlash interfaces

Core Logic	VIA VT8606 and VT82C686B
Processor	BGA type VIA Eden 133MHz FSB, 733MHz on board
Memory	On board 64MB, Extra SODIMM, PC100/133 up to 576MB
Display	VIA VT8606 integrated VGA/18-bit LVDS/24-bit TTL
Ethernet	Realtek RTL8100C 10/100 LAN
I/O Feature	LAN x 1, USB (1.1) x 2, COM x 2, PC/104, CompactFlash, PS/2 x 1 for Y-Cable
Power	AT and ATX +5V/3.2A, +12V/0.2A Base on 733MHz CPU and on board 64MB memory

Remark: Estimated to be EOL by 2006



1. VIA Eden 733 MHz
2. PC/104
3. COM-2 header
4. PS/2 (Y-Cable)
5. D-Sub COM
6. RJ-45 10/100 LAN
7. D-Sub VGA
8. LVDS
9. TTL
10. 64MB on board SDRAM

6

Data Acquisition Cards

7

Multi Serial Ports Cards

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PCMCIA Adaptors

9

Accessories

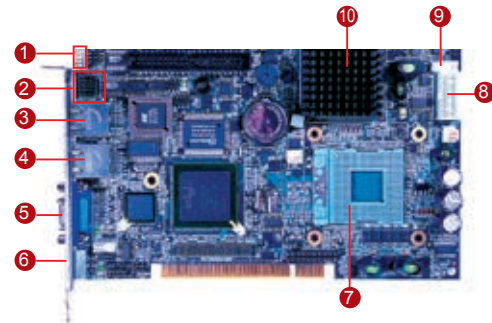
PCI-855VE2M-LF, PCI-855VEM-LF

Ordering Information

PCI Bus Socket479 on Intel 855GME base Pentium M Half Size CPU card, equips with VGA/18-bit LVDS, Dual LAN (includes 1 Giga), DDR SODIMM, CompactFlash and EPCI interfaces

PCI-855VEM-LF: Same as PCI-855VE2M-LF, equips with ICH4 10/100 LAN only

Core Logic	Intel 855GME and ICH4
Processor	Socket479 Pentium M, 400MHz FSB up to 2.0GHz
Memory	DDR SODIMM, DDR266/333 up to 1GB
Display	855GME integrated VGA/18-bit LVDS
Ethernet	PCI-855VE2M-LF: Dual LAN by one Intel 82562EM 10/100 base and one 82541PI Giga; PCI- 855VEM-LF: Intel 82562EM ICH4 10/100 only
I/O Features	LAN x 2, USB x 2, RS-232 COM1, RS-232/422/485 COM2, PS/2 x 1 for Y-Cable, CompactFlash, EPCI
Power	AT and ATX (10-pin ATX connector) +5V/2.8A, +12V/1.93A Base on 1.3GHz Pentium M and 256MB DDR SODIMM



1. USB x 2 header
2. COM x 2 header
3. RJ-45 10/100 LAN
4. RJ-45 Giga LAN
5. D-Sub VGA
6. PS/2 (Y-Cable)
7. Socket479 Pentium M
8. 10-pin ATX
9. 18-Bit LVDS
10. Intel 855GME

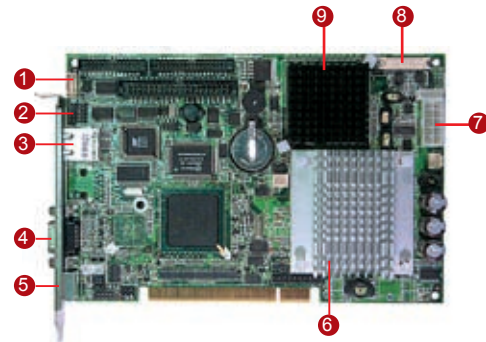


PCI-852VEM-LF

Ordering Information

PCI Bus uFCBGA on Intel 852GM base Celeron M Half Size CPU card, equips with on board Ultra Low Voltage Celeron M 600MHz CPU, VGA/18-bit LVDS, LAN, DDR SODIMM, CompactFlash and EPCI interfaces (Note: L2 cache is not available on ULV Celeron M 600MHz CPU)

Core Logic	Intel 852GM and ICH4
Processor	On board uFCBGA Celeron M 600MHz, L2 cache is not available
Memory	DDR SODIMM, DDR266 up to 1GB
Display	852GM integrated VGA/18-bit LVDS
Ethernet	Intel 82562EM ICH4 10/100 LAN
I/O Features	LAN x 1, USB x 2, RS-232 COM1, RS-232/422/485 COM2, PS/2 x 1 for Y-Cable, CompactFlash, EPCI
Power	ATX and AT (10-pin ATX connector) +5V/2.3A, +12V/1.93A Base on on-board 600MHz Celeron M and 256MB DDR SODIMM



1. USB x 2 header
2. COM x 2 header
3. RJ-45 10/100 LAN
4. D-Sub VGA
5. PS/2 (Y-Cable)
6. Ultra Low Voltage Celeron M 600MHz
7. 10-pin ATX
8. 18-Bit LVDS
9. Intel 852GM

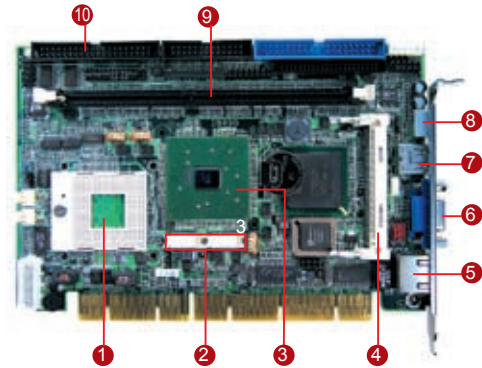


NEAT-P8550-LF

Ordering Information

PISA Bus Socket479 on Intel 855GME base Pentium M Half Size CPU card, equips with VGA/18-bit LVDS, LAN, DDR, Mini PCI, Audio and CompactFlash interfaces

Core Logic	Intel 855GME and ICH4
Processor	Socket479 Pentium M, 400MHz FSB up to 2.0GHz
Memory	DDR, DDR266/333 up to 1GB
Display	855GM integrated VGA/ 18-bit LVDS
Ethernet	Intel 82562EZ ICH4 10/100 LAN
I/O Features	LAN x 1, USB x 3, RS-232 COM1, 2, 3, RS-232/422/485 COM4, Mini PCI, Audio, CompactFlash, PS/2 x 1 for Y-Cable
Power	ATX and AT (4-pin AT connector) +5V/2.78A, +12V/1.74A Base on 1.3GHz Celeron M and 1GB DDR



1. Socket479 Pentium M
2. Dual 18-bit LVDS
3. Intel 855GME
4. Mini PCI socket
5. RJ-45 10/100 LAN
6. D-Sub VGA
7. USB
8. PS/2 (Y-Cable)
9. DDR Socket
10. COM x 4 header



3.5" Disk Size Little Boards

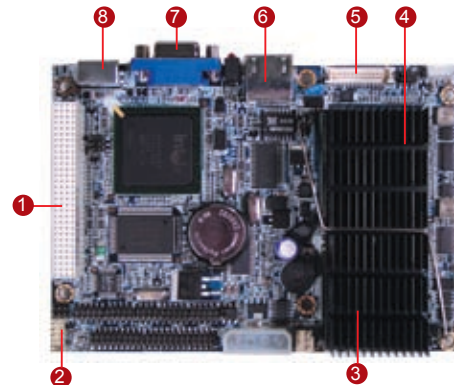
NEAT-DS8550-PM1400-LF, NEAT-DS8550-CM1000-LF

Ordering Information

Pentium M FSB-400MHz 3.5" Disk Size little board on Intel 855GME base, equips with on board Low Voltage Pentium M 1.4GHz CPU, CRT/18-bit LVDS, LAN, DDR SODIMM, Audio and PC/104+ interfaces

NEAT-DS8550-CM1000-LF: Same as NEAT-DS8550-PM1400-LF, equips with Ultra Low Volatge Celeron M 1.0GHz CPU on board

Core Logic	Intel 855GME and ICH4
Processor	uFCBGA Low Voltage 1.4GHz Pentium M, 400MHz FSB; NEAT-H8550-CM1000-LF: uFCBGA ULV Celeron M 1.0GHz
Memory	DDR SODIMM, DDR266/333 up to 1GB
Display	855GM integrated VGA/18-bit LVDS
Ethernet	Intel 82562ET ICH4 10/100 LAN
I/O Features	LAN x 1, USB x 2, RS-232 COM1, RS-232/422/485 COM2, Audio, TV-Out, PS/2 x 1 for Y-Cable
Power	AT or +5V only (4-pin AT connector) +5V and +12V (+5V only when PC/104+ is not used) (Power requirement is under evaluation)



1. PC/104+
2. USB x 2 header
3. uFCBGA Low Voltage Pentium M 1.4GHz
4. Intel 855GME
5. 18-bit LVDS
6. RJ-45 10/100 LAN
7. D-Sub VGA
8. PS/2 (Y-Cable)

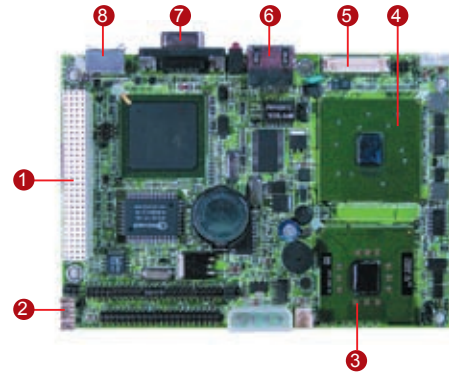


NEAT-DS320-LF

Ordering Information

Celeron M FSB-400MHz 3.5" Disk Size little board on Intel 852GM base, equips with on board Ultra Low Voltage Celeron M 600MHz CPU, CRT/18-bit LVDS, LAN, DDR SODIMM, audio and PC/104+ interfaces
(Note: L2 cache is not available on ULV Celeron M 600MHz CPU)

Core Logic	Intel 852GM and ICH4
Processor	uFCBGA Ultra Low Voltage Celeron M 600MHz, L2 cache is not available
Memory	DDR SODIMM, DDR266 up to 1GB
Display	852GM integrated VGA/18-bit LVDS
Ethernet	Intel 82562EM ICH4 10/100 LAN
I/O Features	LAN x 1, USB x 2, RS-232 COM1, RS-232/422/485 COM2, Audio, TV-Out, PS/2 x 1 for Y-Cable
Power	AT or +5V only (4-pin AT connector) +5V/3.77A, +12V/3mA (+5V only by 3.63A when PC/104+ is not used) Base on on-board 600MHz Celeron M and 128MB DDR SODIMM



1. PC/104+
2. USB x 2 header
3. uFCBGA Ultra Low Voltage Celeron M 600MHz
4. Intel 852GM
5. 18-bit LVDS
6. RJ-45 10/100 LAN
7. D-Sub VGA
8. PS/2 (Y-Cable)

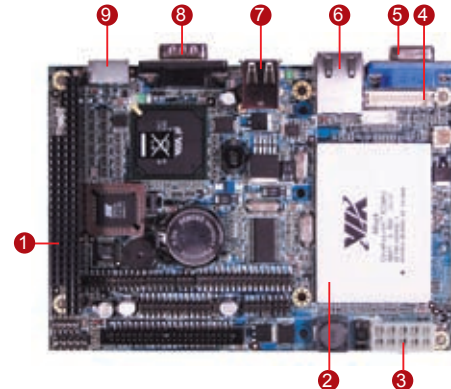


NEAT-DSMark-533-LF

Ordering Information

VIA Mark FSB-133MHz 3.5" Disk Size little board, equips with on board Mark 533MHz CPU, CRT/18-bit LVDS, LAN, SODIMM, Audio, CompactFlash and PC/104 interfaces

Core Logic	VIA Mark (VT8606 and Eden CPU integrated) and VT82C686B
Processor	BGA type, VIA Mark 533MHz CPU (133MHz FSB)
Memory	SODIMM, PC100/133 up to 512MB
Display	VIA Mark integrated VGA/18-bit LVDS/TTL
Ethernet	Realtek RTL8100C(L) 10/100 LAN
I/O Features	LAN x 1, USB (1.1) x 2, RS-232 COM1, RS-232/422/485 COM2, Audio, CompactFlash, PC/104, PS/2 x 1 for Y-Cable
Power	ATX and AT (10-pin ATX connector) +2.544V/5.08A, +12V/1.52A, +5Vsb/0.78A Base on on-board Mark 533MHz and 128MB SDRAM SODIMM



1. PC/104
2. VIA Mark533MHz CPU (Core Fusion, North Bridge integrated)
3. 10-Pin ATX
4. 18-bit LVDS
5. D-Sub VGA
6. RJ-45 10/100 LAN
7. USB
8. D-Sub COM
9. PS/2 (Y-Cable)

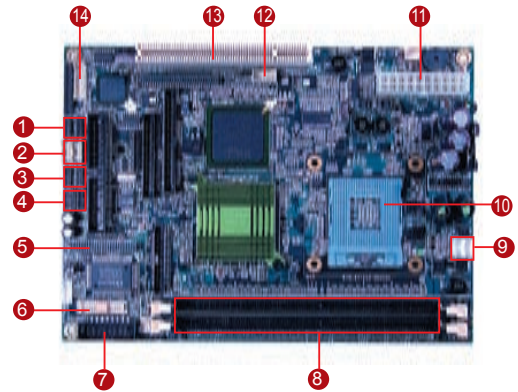


NEAT-DS8552-LF

Ordering Information

Socket479 supports up to 2.0GHz FSB-400MHz 5.25" Disk Size little board on Intel 855GME base, equips with CRT/18-bit LVDS/DVO, Dual LAN (includes 1 Giga), DDR, audio, PCI and EPCI interfaces

Core Logic	Intel 855GME and ICH4
Processor	Socket479 Pentium M up to 2.0GHz with 400MHz FSB
Memory	DDR, DDR266/333 up to 2GB
Display	855GME integrated VGA/18-bit LVDS and DVO
Ethernet	Dual LAN with 1 by one Intel 82562ET (or EM) 10/100 base and one 82541GI Giga
I/O Features	LAN x 2, DVO, USB x 4, RS-232 COM1, 3, 4, RS-232/422/485 COM2, PS/2 x 2, Audio, PCI, EPCI, CompactFlash
Power	ATX and AT (20-pin ATX connector) +5V/2.83A, +12V/1.96A Base on 1.3GHz Pentium M and 256MB DDR



- | | |
|-------------------|-------------------------|
| 1. COM-3/4 header | 8. DDR Sockets |
| 2. USB x 4 header | 9. PS/2 header x 2 |
| 3. COM-1/2 header | 10. Socket479 Pentium M |
| 4. Audio header | 11. 20-Pin ATX |
| 5. DVO Connector | 12. 10/100 LAN header |
| 6. 18-bit LVDS | 13. PCI Expansion Slot |
| 7. VGA header | 14. Giga LAN header |



1

Embedded SBCs

2

Backplanes

3

Chassis

4

Industrial Power Supplies

5

Panel W/S & Displays

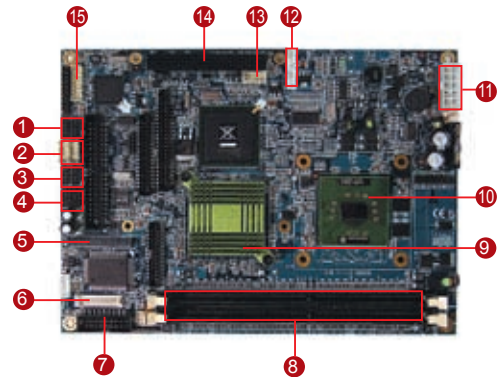
NEAT-DS8551-PM1400-LF, NEAT-DS8551-CM1000-LF

Ordering Information

uFCBGA Pentium M FSB-400MHz 5.25" Disk Size little board on Intel 855GME base, equips with on board Low Voltage Pentium M 1.4GHz CPU, CRT/18-bit LVDS/DVO, Dual LAN (includes 1 Giga), DDR, Audio, PCI and PC/104+ interfaces

NEAT-DS8551-CM1000-LF: Same as NEAT-8551-PM1400-LF, equips with Ultra Low Voltage Celeron M 1.0GHz CPU on board

Core Logic	Intel 855GME and ICH4
Processor	400MHz FSB uFCBGA Low Voltage Pentium M 1.4GHz; NEAT-DS8551-CM1000-LF: uFCBGA ULV Celeron M 1.0GHz
Memory	DDR, DDR266/333 up to 2GB
Display	855GME integrated VGA/18-bit LVDS and DVO
Ethernet	Dual LAN with 1 by one Intel 82562ET (or EM) 10/100 base and one 82541PI Giga
I/O Features	LAN x 2, DVO, USB x 4, RS-232 COM1, 3, 4, RS-232/422/485 COM2, PS/2 x 2, Audio, PC/104+, EPCI, CompactFlash
Power	ATX and AT (10-pin ATX connector) +5V/2.81A, +12V/1.96A Base on on-board LV Pentium M 1.4GHz and 256MB DDR



- | | |
|-------------------|---|
| 1. COM-3/4 header | 8. DDR Sockets |
| 2. USB x 4 header | 9. Intel 855GME |
| 3. COM-1/2 header | 10. uFCBGA Low Voltage Pentium M 1.4GHz |
| 4. Audio header | 11. 10-Pin ATX |
| 5. DVO Connector | 12. PS/2 header x 2 |
| 6. 18-bit LVDS | 13. 10/100 LAN header |
| 7. VGA header | 14. PC/104+ |
| | 15. Giga LAN header |



6

Data Acquisition Cards

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Multi Serial Ports Cards

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PCMCIA Adaptors

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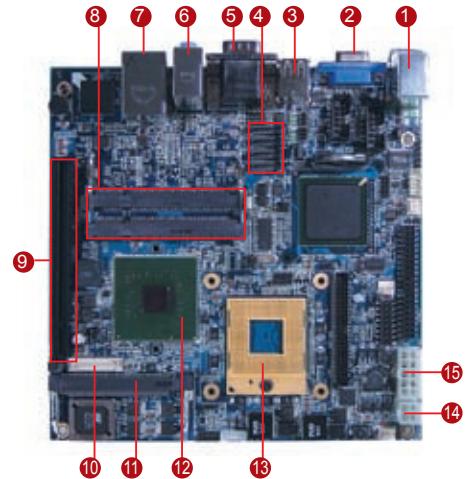
Accessories

NEAT-ITX9450-LF

Ordering Information

Socket479 Core Duo Pentium M FSB-667MHz Mini ITX Motherboard on Intel 945GM base, equips with CRT/24-bit LVDS/SDVO by PCIe (x16) connector, PCIe Giga LAN, DDR II SODIMM, SATA II, Mini PCI, Audio and CompactFlash interfaces

Core Logic	Intel 945GM and ICH7
Processor	Socket479 Intel Core Duo and Core Solo Pentium M (dual core and single core), supports up to 2.26GHz with 667MHz FSB
Memory	DDR II SODIMM, DDR533/667 up to 2GB
Display	945GM integrated VGA/24-bit LVDS, SDVO by PCIe (x16) connector
Ethernet	Giga LAN by Intel 82573 PCI Express
I/O Features	PCIe (x16) for SDVO x 1, LAN x 1, USB x 6, SATA II x 4, RS-232 COM1, 3, 4, RS-232/422/485 COM2, Audio, Mini PCI, Compact Flash
Power	ATX only (10-pin ATX and 4-pin 12V connectors) +5V/2.172A, +12V/2.03A, -12V/3mA, +5Vsb/0.11A Base on 2.0GHz Pentium M and 256MB DDR II SODIMM



1. PS/2 x 2
2. D-Sub VGA
3. USB x 2
4. SATA x 4
5. COM x 2
6. Audio
7. RJ-45 PCI Express Giga LAN x 1 (Top) USB x 2 (Bottom)
8. DDR II SODIMM Sockets
9. SDVO (by PCIe (x 16))
10. 24-bit LVDS
11. MiniPCI Socket
12. Intel 945GM
13. Socket479 Pentium M (Core Duo/ Core Solo)
14. 4-Pin 12V
15. 10-Pin ATX



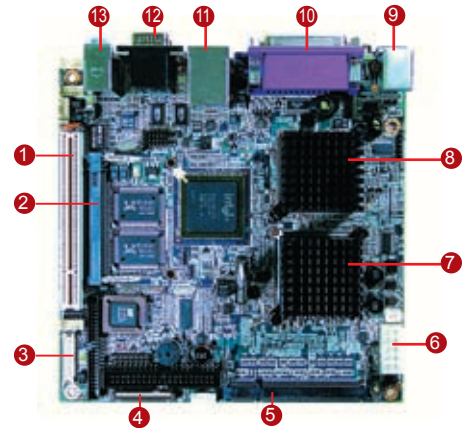
NEAT-ITX8550-PM1400-LF, NEAT-ITX8550-CM1000-LF

Ordering Information

uFCBGA Pentium M FSB-400MHz Mini ITX Motherboard on Intel 855GME base, equips with on board Low Voltage Pentium M 1.4GHz CPU, CRT/18-bit LVDS, Dual LAN, DDR SODIMM, Audio, Mini PCI, PCI and CompactFlash interfaces

NEAT-ITX8550-CM1000-LF: Same as NEAT-ITX8550-PM1400-LF, equips with Ultra Low Voltage Celeron M 1.0GHz CPU on board

Core Logic	Intel 855GME and ICH4
Processor	uFCBGA Low Voltage 1.4GHz Pentium M, 400MHz FSB; NEAT-ITX8550-CM1000-LF: uFCBGA ULV Celeron M 1.0GHz
Memory	DDR SODIMM, DDR266/333 up to 1GB
Display	855GME integrated VGA/18-bit LVDS
Ethernet	Dual LAN by Realtek RTL8100C 10/100 base
I/O Features	LAN x 2, USB x 4, RS-232 COM1, RS-232/422/485 COM2, Audio, PCI, Mini PCI, CompactFlash
Power	ATX and AT (10-pin ATX connector) +5V, +12V -12V, +5Vsb (Power requirement is under evaluation)



1. PCI Expansion Slot
2. Mini PCI Socket
3. 18-bit LVDS
4. Slim FDD
5. DDR SODIMM Socket
6. 10-Pin ATX
7. Intel 855GME
8. uFCBGA Low Voltage Pentium M 1.4GHz
9. PS/2 x 2
10. Parallel (Top) D-Sub VGA and COM (Bottom)
11. RJ-45 10/100 LAN (Top) USB x 2 (Bottom)
12. COM x 2
13. Audio

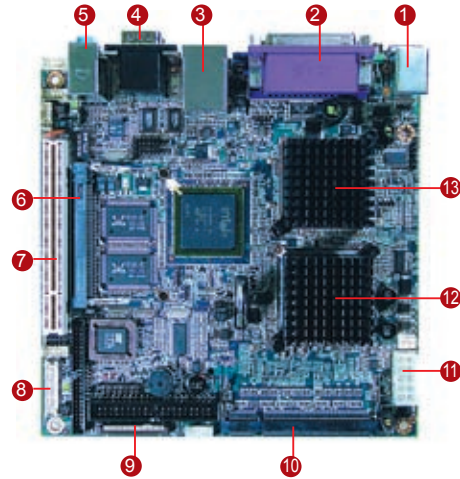


NEAT-ITX8520-CM600-LF

Ordering Information

uFCBGA Celeron M FSB-400MHz Mini ITX Motherboard on Intel 852GM base, equips with on board Ultra Low Voltage Celeron M 600MHz CPU, CRT/18-bit LVDS, Dual LAN, DDR SODIMM, Audio, Mini PCI, PCI and CompactFlash interfaces
(Note: L2 cache is not available on ULV Celeron M 600MHz CPU)

Core Logic	Intel 852GM and ICH4
Processor	uFCBGA Ultra Low Voltage Celeron M 600MHz with 400MHz FSB, L2 cache is not available
Memory	DDR SODIMM, DDR266 up to 1GB
Display	852GM integrated VGA/18-bit LVDS
Ethernet	Dual LAN by Realtek RTL8100C 10/100 base
I/O Features	LAN x 2, USB x 4, RS-232 COM1, 4, RS-232/422/485 COM2, 3, Audio, PCI, Mini PCI, CompactFlash
Power	ATX and AT (10-pin ATX connector) +5V/3.24A, +12V/0.2A, -12V/30mA, +5Vsb/0.18A Base on on-board 600MHz Celeron M and 256MB DDR SODIMM



1. PS/2 x 2
2. Parallel (Top)
3. RJ-45 10/100 LAN (Top)
4. COM x 2
5. Audio
6. Mmi PCI Socket
7. PCI Expansion Slot
8. 18-bit LVDS
9. Slim FDD
10. DDR SODIMM Socket
11. 10-Pin ATX USB x 2 (Bottom)
12. Intel 852GM
13. uFCBGA Ultra Low Voltage Celeron M 600MHz

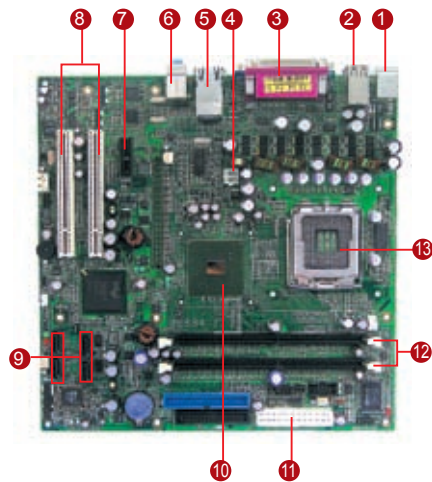


NEAT-MB9150M-LF

Ordering Information

LGA775 Pentium 4 supports up to 3.8GHz FSB-533/800 MHz MicroATX M/B on Intel 915GV base, equips with CRT, DDR, Dual PCI Express Giga LAN (single LAN as option), SATA, PCIe (x1), Audio, DOC and PCI interfaces

Core Logic	Intel 915GV and ICH6
Processor	LGA775 Intel Pentium 4, 533/800MHz FSB up to 3.8GHz
Memory	DDR DIMM, DDR333/400 up to 2GB
Display	915GV integrated VGA
Ethernet	Dual Giga LAN (single LAN for option) by Marvell 88E8053 PCI Express
I/O Features	LAN x 2, USB x 6, SATA x 4, RS-232 COM1, RS-232/422/485 COM2, Audio, PCIe (x1) x1, PCI x 2 (PCIe (x16) is not supported by 915GV)
Power	ATX only (24-pin ATX power connector) +5V/4.06A, +3.3V/4.41A, +12V/15.38A, +5Vsb/0.28A Base on 2.8GHz LGA775 Pentium 4 and 2GB DDR



1. PS/2 x 2
2. USB x 2
3. Parallel (Top)
4. 4-Pin 12V
5. PCI Express Giga LAN x 2
6. Audio
7. PCIe (x1)
8. PCI Expansion Slots x 2
9. SATA x 4
10. Intel 915GV
11. 24-Pin ATX
12. DDR Sockets
13. LGA775 Pentium 4 Socket

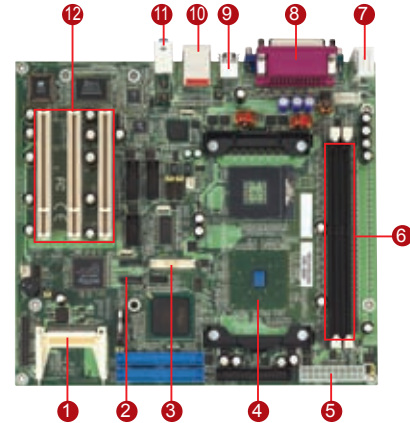


NEAT-MB8550M-LF

Ordering Information

Socket479 Pentium M FSB-400MHz MicroATX MB on Intel 855GME base, equips with CRT/18-bit LVDS, Giga LAN, DDR, SATA, Audio, PCI and CompactFlash interfaces (Includes with Low Profile CPU cooler)

Core Logic	Intel 855GME and ICH4
Processor	Socket479 Pentium M supports up to 2.0GHz with 400MHz FSB
Memory	DDR DIMM, DDR266/333 up to 2GB
Display	855GME integrated VGA/18-bit LVDS
Ethernet	Giga LAN by Intel 82541GI
I/O Feature	LAN x 1, USB x 6, SATA x 2, RS-232 COM1, 2, RS-232/422/485 COM3, 4, Audio, CompactFlash, PCI x 3
Power	ATX and AT (20-pin ATX connector) +5V/3.48A, +12V/370mA, +3.3V/3.63A, +5Vsb/20mA Base on 1.6GHz Pentium M and 512MB DDR



1. CompactFlash Socket
2. SATA x 2
3. 18-bit LVDS
4. Intel 855GME
5. 20-Pin ATX
6. DDR Sockets
7. PS/2 x 2
8. Parallel (Top) D-Sub VGA and COM (Bottom) USB x 2 (Bottom)
9. USB x 2
10. RJ-45 Giga LAN (Top) USB x 2 (Bottom)
11. Audio
12. PCI Expansion Slots x 3



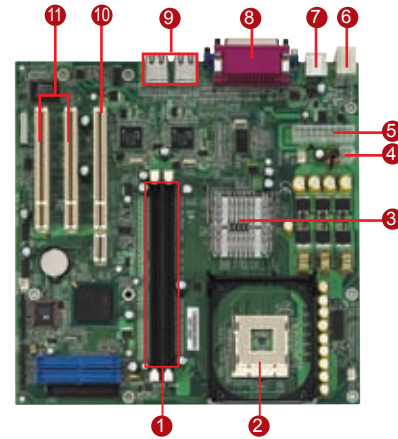
July,2006

NEAT-MB845GVEM-LF

Ordering Information

Socket478 Pentium 4 up to 3.06GHz FSB-533 MicroATX MB Intel 845GV base, equipped with CRT, Dual Giga LAN, DDR, PCI riser, PCI and optional audio daughter intertaces

Core Logic	Intel 845GV and ICH4
Processor	Socket478 Pentium 4, 400/533MHz up to 3.06GHz
Memory	DDR DIMM, DDR266/333 up to 2GB
Display	845GV integrated VGA
Ethernet	Dual Giga LAN by Intel 82540EM
I/O Feature	PCI riser x 1, LAN x 2, USB x 6, COM x 2, PCI x 2, Audio header for optional audio daughter card
Power	ATX only (20-pin ATX power connector) +5V/0.47A, +12V/5.02A, +3.3V/4.48A, +5Vsb/60mA Base on 2.8GHz Pentium 4 and 512MB DDR x 2



1. DDR Socket
2. Socket478 Pentium 4
3. Intel 845GV
4. 4-Pin ATX
5. 20-Pin ATX
6. PS/2 x 2
7. USB x 2
8. Parallel (Top) D-Sub VGA and COM (Bottom)
9. RJ-45 Giga LAN x 2
10. PCI Riser
11. PCI Expansion Slots x 2



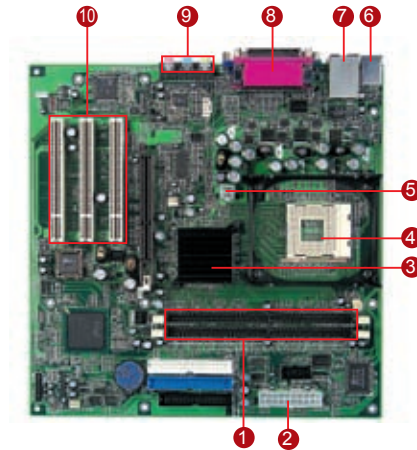
August 2006

NEAT-MB8450M-LF

Ordering Information

Socket478 Pentium 4 supports up to 3.06GHz FSB-400/533 MHz MicroATX MB on Intel 845GV base, equips with Hyper-Threading, CRT, LAN, DDR, Audio and PCI interfaces

Core Logic	Intel 845GV and ICH4
Processor	Socket478 supports up to 3.06GHz with 400/533MHz FSB, Hyper-Threading supported
Memory	DDR DIMM, DDR266/333 up to 2GB
Display	845GV integrated VGA
Ethernet	Realtek RTL8100BL-LF 10/100 base
I/O Features	LAN x 1, USB x 4, RS-232 COM1, 2, Audio, PCI x 3 (AGP is not supported by 845GV)
Power	ATX (20-pin ATX power connector) +5V/0.69A, +12V/4.95A, +3.3V/3.09A Base on 2.4GHz Pentium 4 and 256MB DDR



1. DDR Sockets
2. 20-Pin ATX
3. Intel 845GV
4. Socket478 Pentium 4
5. 4-Pin 12V
6. PS/2 x 2
7. RJ-45 LAN (Top) USB x 2 (Bottom)
8. Parallel (Top) D-Sub VGA and COM (Bottom)
9. Audio
10. PCI Expansion Slots x 3

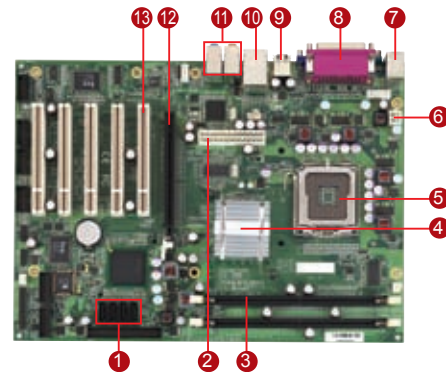


NEAT-MB9451-LF

Ordering Information

LGA775 supports Pentium 4/Celeron D FSB-800/1066MHz ATX Motherboard on Intel 945G base, equips with Hyper Threading, CRT, PCIe (x16), PCI Express Giga LAN, DDR II dual channel, SATA II, Audio and PCI interfaces

Core Logic	Intel 945G and ICH7
Processor	LGA775 Intel Pentium 4/Celeron D supports up to 3.8GHz (Pentium D up to 3.4GHz), 800/1066MHz FSB with Hyper Threading
Memory	DDR II DIMM, DDR533/667 up to 2GB
Display	945G integrated Graphic Media Accelerator 950 VGA and PCIe (x16)
Ethernet	PCI Express Giga by Intel 82573L
I/O Features	PCIe (x16) x 1, LAN x 1, USB x 8, SATA II x 4, RS-232 COM1, 2, 3, 4, Audio, PCI x 5
Power	ATX and AT (24-pin ATX connector) (Power requirement is under evaluation)



1. SATA II x 4
2. 24-Pin ATX
3. DDR II Sockets
4. Intel 945G
5. LGA775 Pentium 4 / Celeron D
6. 4-Pin 12V
7. PS/2 x 2
8. Parallel (Top) D-Sub VGA and COM (Bottom)
9. USB x 2
10. RJ-45 PCI Express Giga LAN (Top) USB x 2 (Bottom)
11. Audio
12. PCIe (x16)
13. PCI Expansion Slots x 5



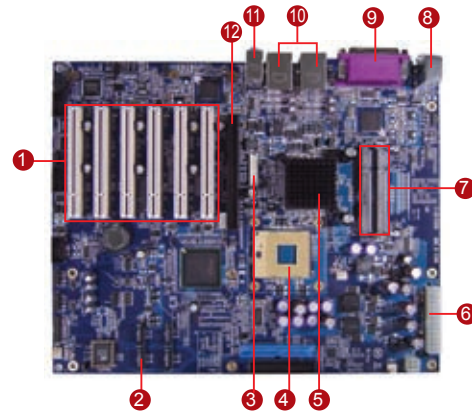
July, 2006

NEAT-MB9450-LF

Ordering Information

Socket479 supports Core Duo Pentium M FSB-667MHz ATX MB on Intel 945GM base, equips with CRT/24-bit LVDS/SDVO by PCIe (x16) connector, Dual PCI Express Giga LAN, DDR II, SATA II, Audio and PCI interfaces

Core Logic	Intel 945GM and ICH7
Processor	Socket479 Intel Core Duo and Core Solo (dual core and single core) Pentium M supports up to 2.26GHz with 667MHz FSB
Memory	DDR II DIMM, DDR533/667 up to 4GB
Display	945GM integrated VGA/24-bit LVDS, SDVO by PCIe (x16) connector
Ethernet	Dual PCI Express Giga LAN by Marvell 88E8052
I/O Features	SDVO by PCIe (x16) x 1, LAN x 2, USB x 8, SATA II x 4, RS-232 COM1, 3, 4, RS-232/422/485 COM2, Audio, PCI x 6
Power	ATX only (24-pin ATX connector) (Power requirement is under evaluation)



1. PCI Expansion Slots x 6
2. SATA II x 4
3. 24-bit LVDS
4. Socket479 Core Duo Pentium M
5. Intel 945GM
6. 24-Pin ATX
7. DDR II SODIMM Sockets
8. PS/2 x 2
9. Parallel (Top) D-Sub VGA and COM (Bottom)
10. RJ-45 Giga LAN (Top) USB x 2 (Bottom)
11. Audio
12. SDVO (by using PCIe (x16) Connector)

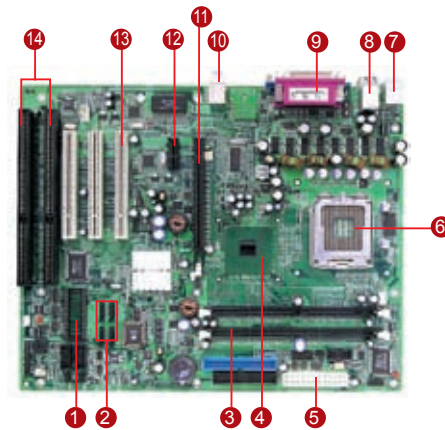


NEAT-MB915GEX-LF

Ordering Information

LGA775 Pentium 4 supports up to 3.8GHz FSB-533/800MHz ATX MB on Intel 915G base, equips with CRT/PCIe (x16), DDR, Dual PCI Express Giga LAN (single LAN is option), SATA, Audio, DOC, PCIe (x1), PCI and ISA interfaces

Core Logic	Intel 915G and ICH6
Processor	LGA775 Intel Pentium 4/Celeron D supports up to 3.8GHz with 533/800MHz FSB
Memory	DDR DIMM, DDR333/400 up to 2GB
Display	915G integrated VGA and PCIe (x16)
Ethernet	Dual PCI Express Giga LAN by Marvell 88E8053 (single LAN is an option)
I/O Features	PCIe (x16) x 1, LAN x 2, USB x 6, SATA x 4, RS-232 COM1, 3, 4, RS-232/422/485 COM2, Audio, DOC, PCIe (x1) x 1, PCI x 3, ISA x 2
Power	ATX only (24-pin ATX power connector) +3.3V/3.35A, +5V/3.76A, +12V/9.62A, +5Vsb/0.22A Base on 3.6GHz LGA775 Pentium 4 and 1GB DDR



1. DOC
2. SATA x 4
3. DDR Sockets
4. Intel 915G
5. 24-Pin ATX
6. LGA775 Pentium 4/Celeron D
7. PS/2 x 2
8. USB x 4
9. Parallel (Top) D-Sub VGA and COM (Bottom)
10. Audio
11. PCIe (x16)
12. PCIe (x1)
13. PCI Expansion Slots x 3
14. ISA Expansion Slots x 2

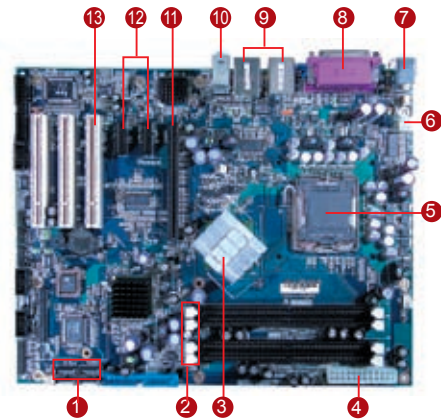


NEAT-MB915GV2E-LF

Ordering Information

LGA775 Pentium 4 supports up to 3.8GHz FSB-533/800 MHz ATX MB on Intel 915GV base, equips with CRT, SDVO by PCIe (x16) connector, Dual LAN (includes 1 PCI Express Giga), DDR dual channel, SATA, Audio, PCIe (x1) and PCI interfaces

Core Logic	Intel 915GV and ICH6
Processor	LGA775 Intel Pentium 4 supports up to 3.8GHz with 533/800MHz FSB
Memory	DDR DIMM dual channel, DDR400/533 up to 4GB
Display	915GV integrated VGA and SDVO by PCIe (x16) connector
Ethernet	Dual LAN with one Intel 82562EM 10/100 base and one Intel 82541GI PCI Express Giga
I/O Features	SDVO x 1 (using PCIe (x16) connector), 915GV does not supports PCIe (x16)), LAN x 2, USB x 8, SATA x 4, RS-232 COM1, 3, 4, RS-232/422/485 COM2, Audio, PCIe (x1) x 2, PCI x 3, EPCI
Power	ATX (24-pin ATX power connector) +5V/3.2A, +12V/10.45A, -12V/60mA, +3.3V/5.32A, +5Vsb/0.52A Base on 3.8GHz LGA775 Pentium 4 and 512MB DDR



1. SATA x 4
2. Dual Channel DDR Sockets
3. Intel 915GV Pentium 4
4. 24-Pin ATX
5. LGA775
6. 4-Pin 12V
7. PS/2 x 2
8. Parallel (Top) D-Sub VGA and COM (Bottom)
9. RJ-45 LAN (Top) USB x 2 (Bottom)
10. Audio
11. SDVO (by using PCIe (x16) connector)
12. PCIe (x1) Expansion Slots x 2
13. PCI Expansion Slots x 3



Embedded SBCs

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Backplanes

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Chassis

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Industrial Power Supplies

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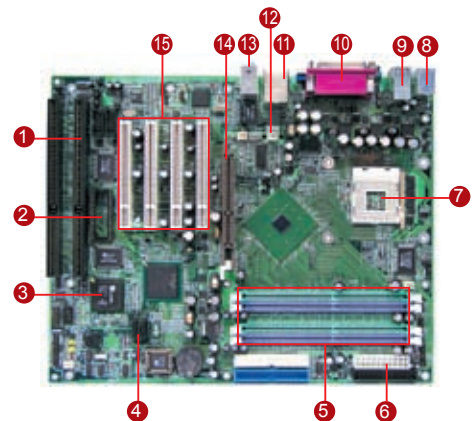
Panel W/S & Displays

NEAT-MB875PES-LF

Ordering Information

Socket478 Pentium 4 supports up to 3.2GHz FSB-533/800 MHz ATX MB on Intel 875P base, equips with Hyper-Threading, SMI712 CRT/AGP, Giga LAN (10/100 option), DDR, SATA, RAID, Audio, DOC, PCI and ISA interfaces

Core Logic	Intel 875P and ICH5R
Processor	Socket478 supports up to 3.2GHz with Hyper-Threading and 533/800MHz FSB
Memory	Dual Channel DDR DIMM, DDR333/400 up to 4GB, ECC supported
Display	SMI 712 VGA/AGP with 2MB VRAM
Ethernet	Dual LAN by Intel 82541GI PCI Express and 82562EM 10/100 base of ICH5R
I/O Features	AGP, RAID 0 and 1, LAN x 2, USB x 6, SATA x 2, RS-232 COM1, 3, 4, RS-232/422/485 COM2, Audio, DOC sockets, PCI x 3, ISA x 2
Power	ATX (20-pin ATX power connector) +5V/4.95A, +12V/10.45A, +3.3V/1.49A Base on 3.06GHz Pentium 4 and 2GB DDR (Hyper-Threading)



1. ISA Expansion Slots x 2
2. DOC
3. SMI 721 Graphic
4. SATA x 2
5. Dual channel DDR Sockets
6. 20-Pin ATX
7. Socket478 Pentium 4
8. PS/2 x 2
9. USB x 4
10. Parallel (Top) D-Sub VGA and COM (Bottom)
11. RJ-45 Giga LAN (Top) USB x 2 (Bottom)
12. 4-Pin 12V
13. Audio
14. AGP slot
15. PCI Expansion Slots x 4



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Data Acquisition Cards

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Multi Serial Ports Cards

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Accessories

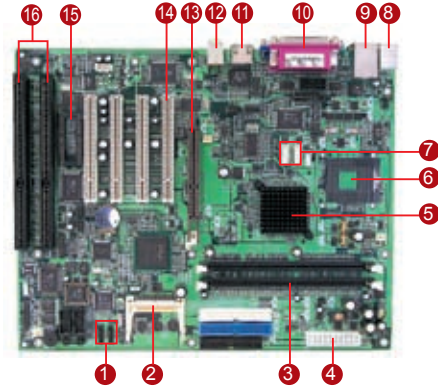
NEAT-MB8550

Ordering Information

Socket479 Pentium M supports up to 2.0GHz FSB-400MHz ATX MB on Intel 855GME base, equips with CRT/18-bit LVDS, Dual LAN (includes 1 Giga), DDR, IEEE1394, SATA, Audio, CompactFlash, DOC, PCI and ISA interfaces

Core Logic	Intel 855GME and ICH4
Processor	Socket479 Pentium M supports up to 2.0GHz with 400MHz FSB
Memory	DDR DIMM, DDR266/333 up to 2GB
Display	855GME integrated VGA/18-bit LVDS
Ethernet	Dual LAN by ICH4 integrated
I/O Features	10/100 base and Realtek 8110S-32 Giga IEEE1394 x 2, LAN x 2, USB x 6, SATA (SiL3512) x 2, RS-232 COM 1, 3, 4, RS-232/ 422/485 COM 2, Audio, DOC, CompactFlash, PCI x 4, ISA x 2
Power	ATX only (20-pin ATX power connector) +5V/2.15A, +3.3A/1.65A, +12V/2.66A Base on 1.66GHz Pentium M and 256MB DDR

Remark: Product plans to Build-To-Order



1. SATA x 2
2. CompactFlash
3. DDR Sockets
4. 20-Pin ATX
5. Intel 855GME
6. Socket479 Pentium M
7. Dual 18-Bit LVDS
8. PS/2 x 2
9. USB x 4
10. Parallel (Top) D-Sub
VGA and COM (Bottom)
11. RJ-45 LAN (Top)
USB x 2 (Bottom)
12. Audio
13. AGP Slot
14. PCI Expansion Slots x 4
15. DOC
16. ISA Expansion Slots x 2

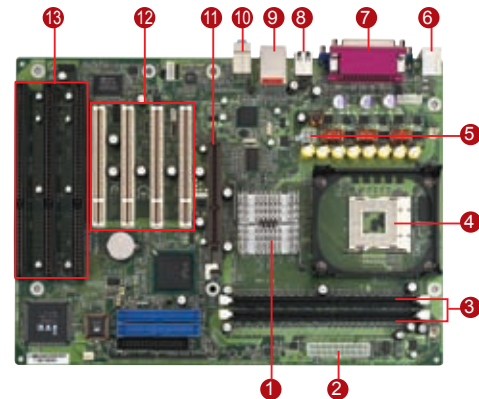


NEAT-MB8450-LF

Ordering Information

Socket478 Pentium 4 supports up to 2.8GHz FSB-400/533MHz ATX MB on Intel 845GV base, equips with CRT, Giga LAN, DDR, Audio, AGP x 1 (for ADD card only), PCI and ISA interfaces

Core Logic	Intel 845GV and ICH4
Processor	Socket478 Pentium 4 (Prescott) supports up to 2.8GHz with 400/533MHz FSB
Memory	DDR DIMM, DDR266/333 up to 2GB
Display	845GV integrated VGA
Ethernet	Giga LAN by Intel 82540EM
I/O Features	AGP slot for ADD card only, LAN x 1, USB x 4, Audio, RS-232 COM1, 2, PCI x 4, ISA x 3
Power	ATX and AT (20-pin ATX power connector) +5V/1.27A, +12V/1.22A, +3.3V/2.99A, +5Vsb/60mA Base on 2.4GHz Pentium 4 and 256MB DDR
Remark	Estimated to be EOL by Q4 2007, subjects to availability of Intel 845GV



1. Intel 845GV
2. 20-Pin ATX
3. DDR Sockets
4. Socket478 Pentium 4
5. 4-Pin 12V
6. PS/2 x 2
7. Parallel (Top) D-Sub
VGA and COM (Bottom)
8. USB x 2
9. RJ-45 LAN (Top)
USB x 2 (Bottom)
10. Audio
11. AGP Slot
(Only for ADD card)
12. PCI Expansion Slots x 4
13. ISA Expansion Slots x 3



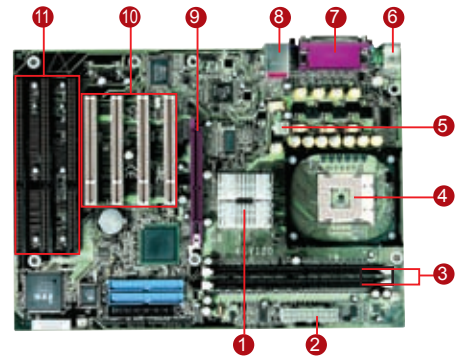
July, 2006

NEAT-MB845GVEA

Ordering Information

Socket478 Pentium 4 supports up to 3.06GHz FSB-400/533MHz ATX MB on Intel 845GV base, equips with CRT, Giga LAN, DDR, AGP x 1 (for ADD card only), PCI and ISA interfaces

Core Logic	Intel 845GV and ICH4
Processor	Socket478 Pentium 4 supports up to 3.06GHz with 400/533MHz FSB
Memory	DDR DIMM, DDR266/333 up to 2GB
Display	845GV integrated VGA
Ethernet	Giga LAN by Intel 82540EM
I/O Features	AGP slot for ADD card only, LAN x 1, USB x 6, RS-232 COM1, 2, PCI x 4, ISA x 3
Power	ATX only (20-pin ATX power connector) +5V/170mA, +12V/3.7A, +3.3V/4.95A, +5Vsb/50mA
Remark	Base on 2.0GHz Celeron and 512MB DDR Estimated to be EOL by Q4 2007, no RoHS implementation plan



- | | |
|---------------------------|---|
| 1. Intel 845GV | 7. Parallel (Top) D-Sub
VGA and COM (Bottom) |
| 2. 20-Pin ATX | 8. RJ-45 Giga LAN (Top)
USB x 2 (Bottom) |
| 3. DDR Sockets | 9. AGP Slot
(Only for ADD card) |
| 4. Socket478
Pentium 4 | 10. PCI Expansion Slots x 4 |
| 5. 4-Pin 12V | 11. ISA Expansion Slots x 3 |
| 6. PS/2 x 2 | |

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