



Quick Installation Guide

3301730

3301730 Quick Installation Guide

Package Contents

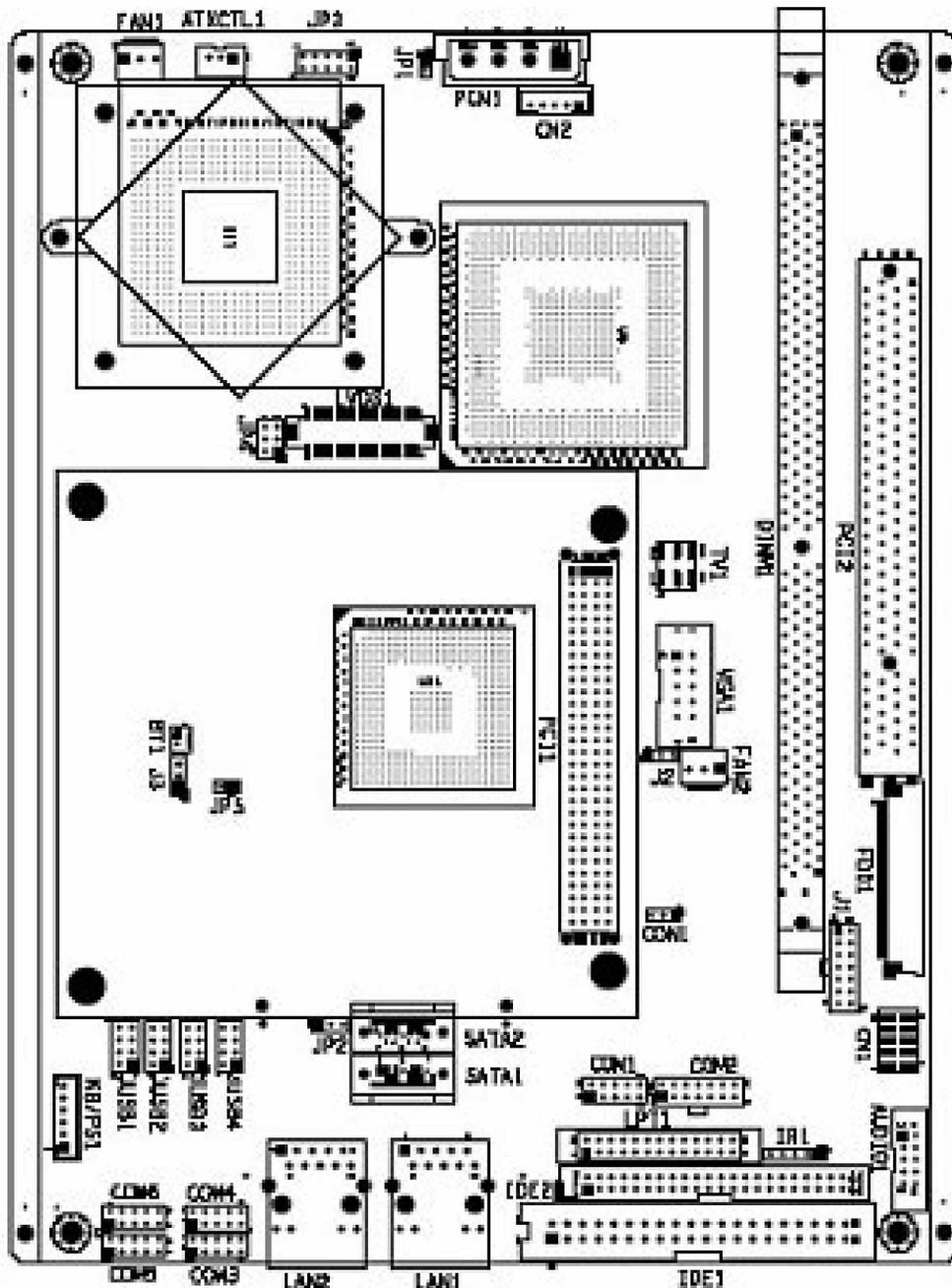
3301730 package includes the following items:

- ò 1 x 3301730 single board computer
- ò 1 x IDE flat cable 40P/40P/40P
- ò 1 x KB/MS cable
- ò 2x SATA cable
- ò 1x SATA Power cable
- ò 4 x RS232 cable
- ò 1 x Audio cable
- ò 1 x USB cable
- ò 1 x VGA cable
- ò 1 x mini jumper pack
- ò 1 x Utility CD
- ò 1 x QIG (quick installation guide)

Specifications

- CPU: Intel® Pentium® M / Celeron® M FSB 533MHz up to 2.26GHz
- System Chipset: SiS 661CX + SiS 964
- BIOS : AMI BIOS Label
- System memory: 1 x 184-pin DDR400/333 SDRAM socket up to 1GB
- Ethernet: Dual RTL8110S for GbE
- I/O
 - VO Interface:
 - 1 x CFII
 - 2 x SATA
 - 2 x IDE port
 - 1 x LPT
 - 1 x PS2 Keyboard/Mouse
 - 5 x RS-232, 1 x RS-232/422/485
 - 8 x USB 2.0 port
 - Supper I/O: W83697HG
 - Display: CRT integrated in SiS 661CX
 - LVDS
 - Dual 24-bit LVDS integrated in SiS 302LV support dual display
 - TV-out by SiS 302LV
 - Audio: AC'97 2.3 Realtek ALC655
 - Watchdog Timer: Software programmable supports 1~255 sec. system reset
 - Power Supply:
 - +5V/ +12V, AT/ATX power support
 - Power Consumption:
 - +5V@4.61A (Intel® Celeron® M 1.6G with DDR 400MHz 1Gb RAM)
 - +12V@1.3A (Intel® Celeron® M 1.6G with DDR 400MHz 1Gb RAM)
 - Temperature: 0 ~ 60°C(32 ~ 140°F)
 - Humidity:operation: 5% ~ 95%,non-condensing
 - Dimension: 203x 146 mm

Board Layout: Jumper and Connector Locations



VGA1: 10-pin CRT Connector			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	RED	2	DDCCLK
3	GREEN	4	DDCDAT
5	BLUE	6	GROUND
7	HSYNC	8	GROUND
9	VSYNC	10	GROUND

LVDS1: LCD LVDS Interface Connector			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	GND	2	GND
3	LVDS0+	4	LVDS0-
5	LVDS1+	6	LVDS1-
7	LVDS2+	8	LVDS2-
9	LVDSCLK+	10	LVDSCLK-
11	LVDS3+	12	LVDS3-
13	GND	14	GND
15	LVDSB0+	16	LVDSB0-
17	LVDSB1+	18	LVDSB1-
19	LVDSB2+	20	LVDSB2-
21	LVDSBCLK+	22	LVDSBCLK-
23	LVDSB3-	24	LVDSB3-
25	GND	26	GND
27	VCCLCD	28	VCCLCD
29	VCCLCD	30	VCCLCD

JP3: boundary scan test			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	CPU_TCK	2	GND
3	CPU_TMS	4	GND
5	CPU_TDO	6	GND
7	CPU_TDI	8	GND
9	TRST	10	NC

3301730 Quick Installation Guide

Ordering Information

Standard

3301730

5.25" SBC Intel® Pentium® M / Celeron® M processor FSB 533MHz, CRT, LVDS/TV out, Dual GbE, SATA and Audio

Optional:

CPU Cooler

TV Out cable

ATX Power cable

RS-232/422/485 cable

Jumpers setting and Connectors

JP1:CPU FSB Setting	
PIN	DESCRIPTION
Open	400
Close	533

JP5:CPU FSB Setting	
Pin	DESCRIPTION
Open	400
Close	533

J3: Clear CMOS Setup	
J3	DESCRIPTION
2-3	Normal Operation
1-2	Clear CMOS Setup

J2: PCI104 PLUS Voltage setup	
Pin	DESCRIPTION
1-2	5V
2-3	3V

JP2: CF card setup	
PIN	DESCRIPTION
1-2	Master
2-3	Slave

JP4: LCD voltage setup	
PIN	DESCRIPTION
1-2	3.3V
3-4	5V
5-6	12V

CON1: RS232/RS422/RS485 setup	
PIN	DESCRIPTION
1-2	RS232
2-3	RS422/RS485

J1 System Panel Connectors			
PIN	DESCRIPTION	PIN NO.	DESCRIPTION
1	VCC5	2	VCC5
3	VCC5	4	IDE_LED
5	GND	6	PWRBTN#
7	VCC5	8	GND
9	X	10	RESET#
11	X	12	GND
13	SPEAKER		X

COM1,COM3,COM4,COM5,COM6: Serial Port Connector			
PIN	DESCRIPTION	PIN NO.	DESCRIPTION
1	DCD1	6	DSR1
2	RX1	7	RTS1
3	TX1	8	CTS1
4	DTR1	9	RI1
5	GND	10	NC

COM2: Serial Port Connector			
PIN	DESCRIPTION	PIN NO.	DESCRIPTION
1	DCD2	6	DSR2
2	RX2	7	RTS2
3	TX2	8	CTS2
4	DTR2	9	RI2
5	GND	10	NC
6	TX+	13	TX-
7	RX+	14	RX-

JUSB 1,JUSB 2,JUSB 3,JUSB 4: USB Connector			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	USBVCC1	2	GND
3	D1F-	4	D2F+
5	D1F+	6	D2F-
7	GND	8	USBVCC1

CN1: 8 BIT GPIO Connector			
PIN	DESCRIPTION	PIN	DESCRIPTION
1	GND	2	VCC5
3	GPO0	4	GPO1
5	GPO2	6	GPO3
7	GPI0	8	GPI1
9	GPI2	10	GPI3

3301730 Quick Installation Guide

KB/PS1: PS/2 Keyboard & Mouse Connector	
PIN	DESCRIPTION
1	VCC5
2	MOUSE DATA
3	MOUSE CLK
4	KEYBOARD DATA
5	KEYBOARD CLK
6	GND

CN2: INV Interface Connector	
PIN	DESCRIPTION
1	Briness
2	GROUND
3	INV VCC
4	GROUND
5	LCDBKTCT

ATXCTL1: ATX Power connector	
PIN	DESCRIPTION
1	5VSB
2	PSON
3	GND

FAN1,FAN2 :Fan Connector	
PIN	DESCRIPTION
1	Fan Speed Detect
2	+12V
3	GND

IR1:IR	
PIN	DESCRIPTION
1	VCC5
2	CIRRX
3	RX
4	GND
5	TX

AUDIO1:Audio Connector			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	Line out R	2	SPKOUT R
3	GND	4	GND
5	Line out L	6	SPKOUT L
7	GND	8	GND
9	MIC in	10	NC

TV :TV1			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	GND	2	IOY
3	GND	4	IOC
5	GND	6	ICCOMP

Jumpers setting and Connectors

JP1:CPU FSB Setting	
PIN	DESCRIPTION
Open	400
Close	533

JP5:CPU FSB Setting	
Pin	DESCRIPTION
Open	400
Close	533

J3: Clear CMOS Setup	
J3	DESCRIPTION
2-3	Normal Operation
1-2	Clear CMOS Setup

J2: PCI104_PLUS Voltage setup	
Pin	DESCRIPTION
1-2	5V
2-3	3V

JP2: CF card setup	
PIN	DESCRIPTION
1-2	Master
2-3	Slave

JP4: LCD voltage setup	
PIN	DESCRIPTION
1-2	3.3V
3-4	5V
5-6	12V

CON 1: RS232/RS422/RS485 setup	
PIN	DESCRIPTION
1-2	RS232
2-3	RS422/RS485

3301730 Quick Installation Guide

Any advice or comments about our products and service, or anything we can help you with please don't hesitate to contact with us. We will do our best to support you for your products, projects and business

Global American Inc.

Address: 17 Hampshire Drive
Hudson, NH 03051

TEL: Toll Free (U.S. Only) 800-833-8999
(603)886-3900

FAX: (603)886-4545

Website: <http://www.globalamericaninc.com>

E-Mail: salesinfo@globalamericaninc.com

