



Quick Installation Guide

2801260

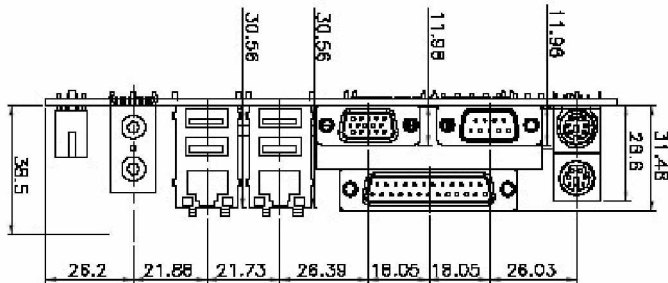
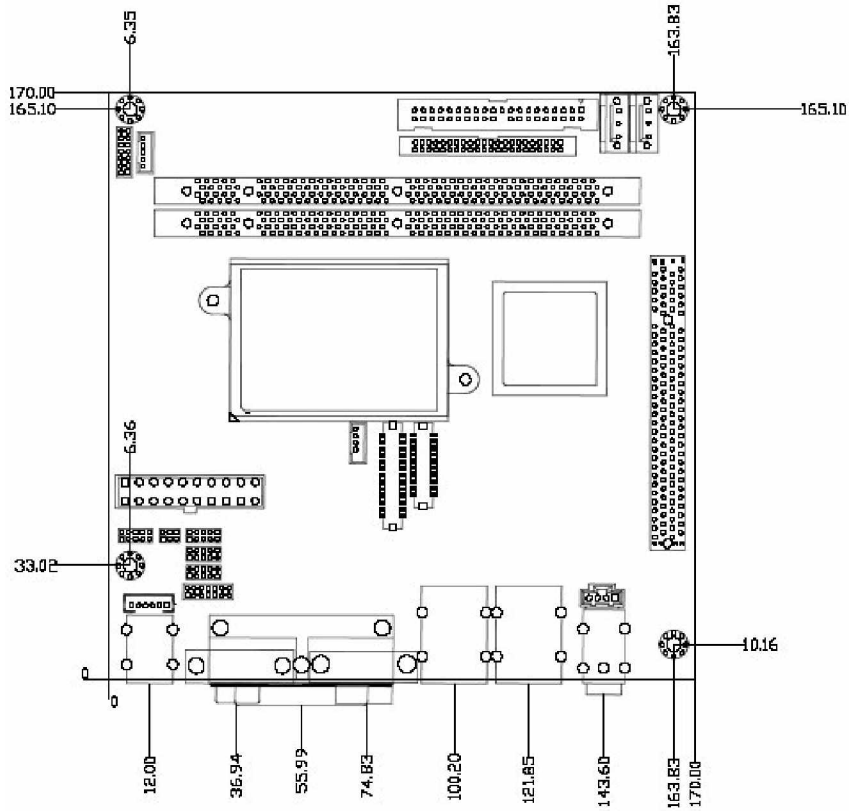
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Mini ITX SBC VIA MARK 533/800MHz processor,CRT/LCD, Dual LAN,SATA and Audio

2801260

Quick Installation Guide

Version 1.0



Package Contents

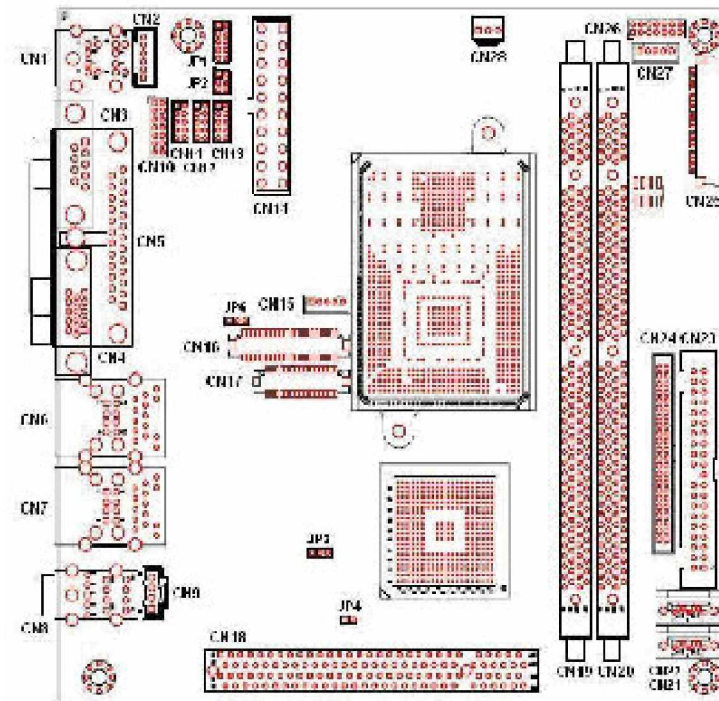
2801260 package includes the following items:

- o 1x 2801260 single board computer
- o 1x ATA66/100 flat cable
- o 2x SATA cable
- o 1 x SATA power cable
- o 2x RS232 cable
- o 1x I/O Shielding
- o 1 x Mini Jumper pack
- o 1 x CD-ROM Driver
- o 1 x QIG

Specifications

- ò CPU: VIA MARK 533/800MHz
- ò System Chipset: VIA VT82C686B
- ò BIOS: AMI BIOS Label
- ò System memory: 2x 168-pin PC100/133 DIMM Socket support up to 1GB
- ò Ethernet: Dual Realtek RTL8100C for 10/100 Mbps
- ò I/O
 - I/O Interface:
 - 4x USB 1.1
 - 2x IDE
 - 2 x SATA-150
 - 1 x LPT
 - 3 x RS-232, 1 x RS- 232/422/485
 - 1 x PS/2 Mini DIMM
- ò Super I/O: W83977G
- ò Audio: Realtek ALC655
- ò Display: Integrated in VIA MARK, Support CRT and TFT/LVDS LCD displays
- ò Watchdog timer: Software programable 1-255 sec. by ICP6629
- ò Power Supply: +5V,+12V and 5VSB, ATX support
- ò Power Consumption:
 - +5V@0.67A;+3.3V@2.79A;+12V@0.1A -3D MARK (VIA MARK 533,PC133 512MB)
 - +5V@1.05A;+3.3V@2.79A;+12V@0.1A -3D MARK (VIA MARK 800,PC133 512MB)
- ò Temperature: 0 ~ 60°C (32 ~ 140°F)
- ò Humidity: Operation: 5% ~ 95%
- ò Dimension: 170mm x 170mm

Layout



CN16: TFT LCD Connector			
PIN	DESCRIPTION	PIN	DESCRIPTION
1	VCC_FP	2	VCC_FP
3	GROUND	4	GROUND
5	VCC_FP	6	VCC_FP
7	N/C	8	GROUND
9	FPD0	10	FPD1
11	FPD2	12	FPD3
13	FPD4	14	FPD5
15	FPD6	16	FPD7
17	FPD8	18	FPD9
19	FPD10	20	FPD11
21	FPD12	22	FPD13
23	FPD14	24	FPD15
25	FPD16	26	FPD17
27	FPD18	28	FPD19
29	FPD20	30	FPD21
31	FPD22	32	FPD23
33	GROUND	34	GROUND
35	FPCLK	36	FPVS
37	FPDEN	38	FPHS
39	N/C	40	ENVEE

CN17: LVDS LCD Connector			
PIN	DESCRIPTION	PIN	DESCRIPTION
1	GROUND	2	GROUND
3	LVDSA_Y0+	4	LVDSA_Y0-
5	LVDSA_Y1+	6	LVDSA_Y1-
7	LVDSA_Y2+	8	LVDSA_Y2-
9	LVDSA_CLK+	10	LVDSA_CLK-
11	N/C	12	N/C
13	GROUND	14	GROUND
15	LVDSB_Y0+	16	LVDSB_Y0-
17	LVDSB_Y1+	18	LVDSB_Y1-
19	LVDSB_Y2+	20	LVDSB_Y2-
21	LVDSB_CLK+	22	LVDSB_CLK-
23	N/C	24	N/C
25	GROUND	26	GROUND
27	VCC_LVDS	28	VCC_LVDS
29	VCC_LVDS	30	VCC_LVDS

Ordering information

Standard:

2801260A

Mini ITX SBC VIA MARK 533MHz processor, CRT/LCD, Dual LAN, SATA and Audio

2801260B

Mini ITX SBC VIA MARK 800MHz processor, CRT/LCD, Dual GbE, SATA and Audio

Optional:

RS232/422/485 cable

IDE FLAT CABLE 44P/44P

Jumpers

JP1: Serial port's CN3 Pin9 (CN10 Pin8) RI Signal Select		
CONNECTOR		DESCRIPTION
CN3	CN10	
Short 1 - 3	Short 2 - 4	12 Voltage output
Short 3 - 5 Short 5 - 7	Short 4 - 6 Short 6 - 8	5 Voltage output
Short 7 - 9	Short 8 - 10	Normal RI Function

JP2: COM2 Mode Selection	
JP4	Description
Short 1 - 2	RS232
Short 3 - 4	RS422
Short 5 - 6	RS485

JP6: Flat Panel TTL(CN16) & LVDS(CN17) power using select	
JP6	Description
Short 1 - 2	+ 3.3V
Short 2 - 3	+ 5V

JP4: CF Card Function Setup	
JP4	Description
Open 1 - 2	Slave (Normal Operation)
Short 1 - 2	Master

JP3: Clear CMOS Setup	
JP3	Description
Short 1 - 2 (Default)*	Keep CMOS Setup (Normal Operation)
Short 2 - 3	Clear CMOS Setup

CN9: Audio CD In Connector	
PIN	Description
1	CD SIGNAL (Left)
2	GROUND
3	GROUND
4	CD SIGNAL (Right)

CN2: Keyboard/Mouse Connector	
PIN	Description
1	+5V
2	MOUSE DATA
3	MOUSE CLOCK
4	KEYBOARD DATA
5	KEYBOARD CLOCK
6	GROUND

CN10, CN11, CN12: Internal Serial Port Connectors	
PIN	Description
1	DATA CARRIER DETECT (DCD)
2	DATA SET READY (DSR)
3	RECEIVE DATA (RXD)
4	REQUEST TO SEND (RTS)
5	TRANSMIT DATA (TXD)
6	CLEAR TO SEND (CTS)
7	DATA TERMINAL READY (DTR)
8	RING INDICATOR (RI)
9	GROUND (GND)
10	GROUND (GND)

CN27: IrDA Connector	
PIN	DESCRIPTION
1	VCC
2	N/C
3	IR-RX
4	Ground
5	IR-TX

CN28: CPU Fan Connector	
PIN	DESCRIPTION
1	Rotation Signal
2	+12V
3	Ground

CN10: RS422 / 485 Connector	
PIN	DESCRIPTION
11	TX+
12	TX-
13	RX+
14	RX-

CN14: ATX Power Connector			
PIN	DESCRIPTION	PIN	DESCRIPTION
1	+3.3V	11	+3.3V
2	+3.3V	12	-12V
3	GROUND	13	GROUND
4	+5V	14	PS-ON
5	GROUND	15	GROUND
6	+5V	16	GROUND
7	GROUND	17	GROUND
8	N/C	18	-5V
9	+5VSB	19	+5V
10	+12V	20	+5V

CN26: Pin Assignment and Functions		
FUNCTION	PIN	DESCRIPTION
SPEAKER	2	+5V
	8	SPEAKER
	4	N/C
	6	N/C
RESET	12	RESET
	14	GROUND
HDD LED	11	VCC
	13	IDE LED
POWER LED	1	VCC
	5	GROUND
POWER BUTTON	7	PS-ON
	9	GROUND

CN15: Inverter Power Connector	
PIN	Description
1	Ground
2	Ground
3	+12V
4	Ground
5	LCD Enable

CN13: 10-pin Digital I/O Connector			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	GROUND	2	+5V
3	OUTPUT 0	4	OUTPUT 1
5	OUTPUT 2	6	OUTPUT 3
7	INPUT 0	8	INPUT 1
9	INPUT 2	10	INPUT 3

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

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