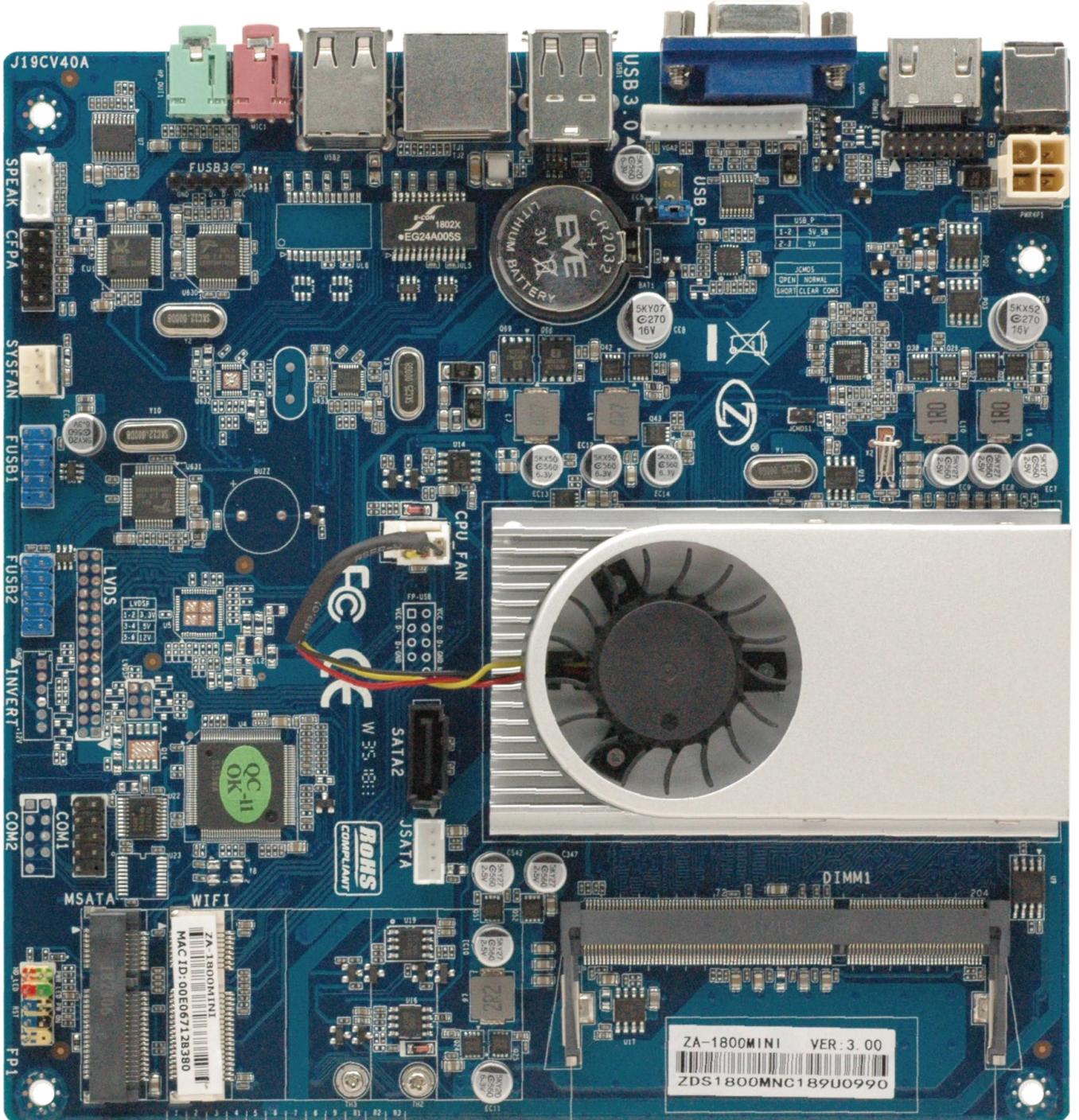


ZA-1800MINI Motherboard

User Manual

Intel[®] J1800 2.41GHz Dual Core Processor

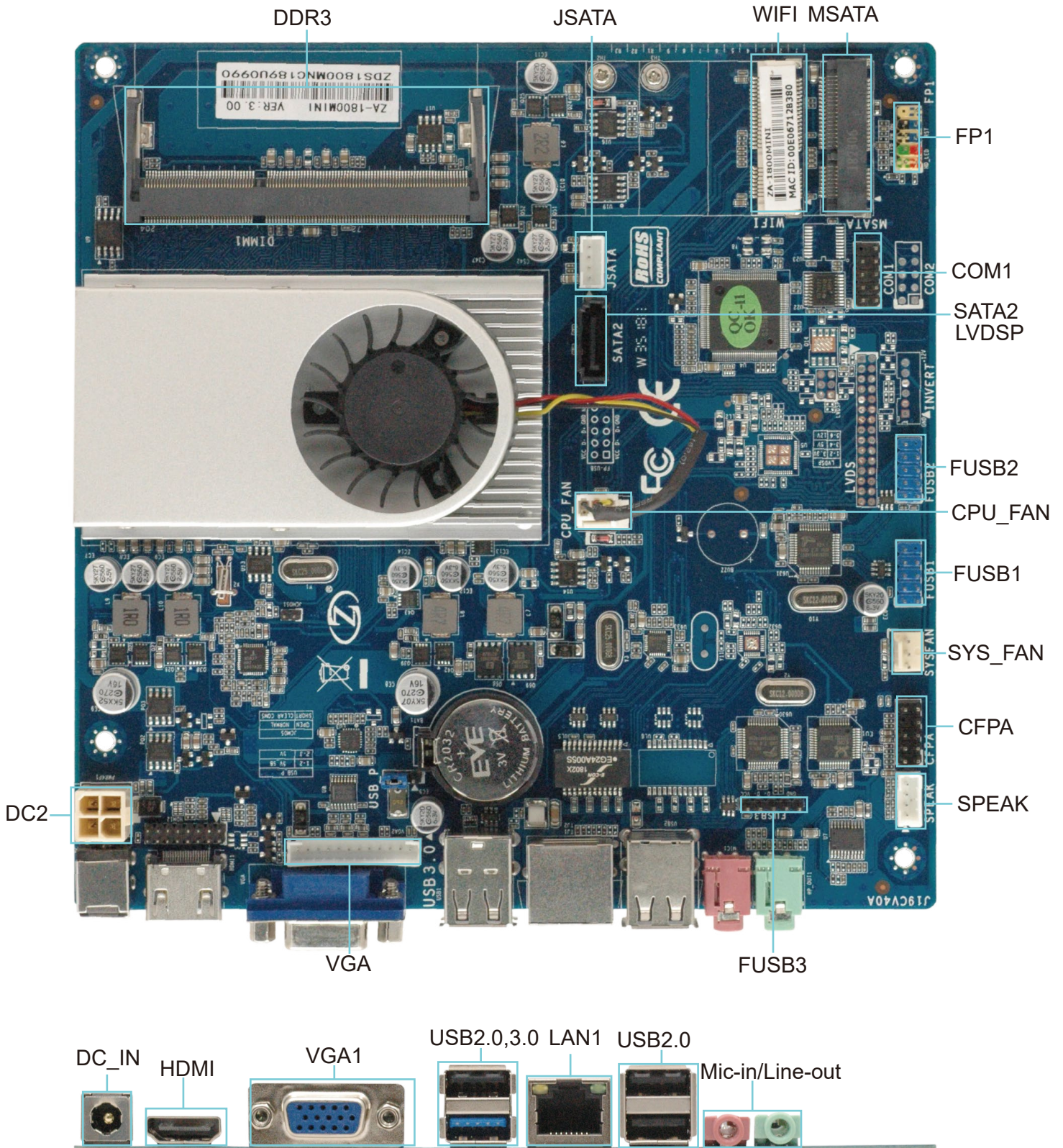
ZA-1800MINI Motherboard Diagram



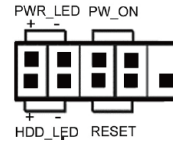
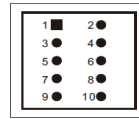
Motherboard Specification

Size	170mm x 170mm
CPU	Intel J1800 2.41GHz Dual Core Processor
Graphics	Intel HD Graphics
Chipset	J1800
Memory	1*DDR3 Slot ,1066/1333/MHz memory ,Up to 8 GB
Internal I/O	3*USB Pin Support 5*USB2.0 1*CPU Fan and SYAFAN 1*1*12Pin VGA 1*HDMI 1*SATA 1*JSATA 1*4Pin Power Input Port 1*Front panel 2*COM Pin 1*Audio Pin
Rear I/O	1*DC-IN, 12V 1*HDMI 1*VGA 3*USB2.0 1*USB3.0 1*LAN (or two LAN) 1*Mic-in/Line-out
BIOS AMI	AMIBIOS,32M bit Flash Memory
MINI_PCIE	1*Support MSATA 1*Support WiFi 3G
SATA	1*SATA 1*MSATA 1*WiFi
LAN	1*Realtek 8111E,10/100/1000
Audio	ALC662 Dual Channel Output
Operating System	Windows7 Windows8 Linux
H/W Monitoring	Walk in LAN System Power Management Temperature Management Voltage Management
Humidity	0% ~ 95% (Relative Humidity,No Condensation)
Temp	-10°C ~ 55°C

Motherboard I/O Interface Diagram



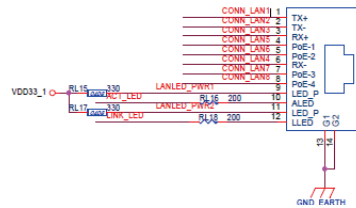
FP1



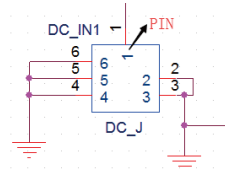
Pin	Define	Pin	Define
1	HDD LED+	2	PWR LED+
3	HDD LED-	4	GND
5	GND	6	P_SWIN
7	RESET_GND	8	GND
9	GND		

HDD Active LED:1,3 Power Button:6,8
Power LED:2,4 Reset Button:5,7

LAN

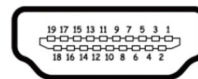


12/19VDC



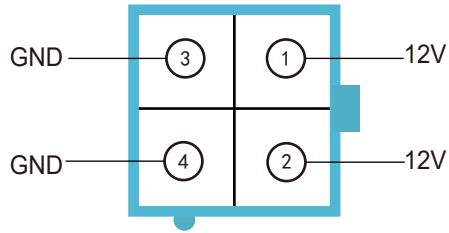
Pin	Define	Pin	Define
1	DC_IN	2	DC_J
3	GND	4	GND
5	GND	6	GND
7	GND	8	GND
9	GND		

HDMI



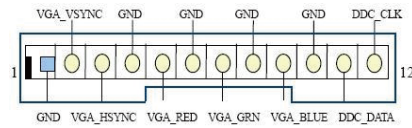
Pin	Define	Pin	Define
1	TMDS data 2+	2	TMDS data shield
3	TMDS data 2-	4	TMDS data 1+
5	TMDS data shield	6	TMDS data 2-
7	TMDS data 0+	8	TMDS data shield
9	TMDS data 0-	10	TMDS clock+
11	TMDS clock shield	12	TMDS clock-
13	CEC	14	No connectde
15	DDC clock	16	DDC data
17	Groud	18	+5V power
19	Hot plug detect		

DC1



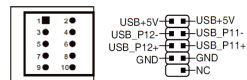
Pin	Define	Pin	Define
1	12V	2	12V
3	GND	4	GND

VGA



Pin	Define	Pin	Define
1	GND	2	VGA_VSYNC
3	VGA_HSYNC	4	GND
5	VGA_RED	6	GND
7	VGA_GRN	8	GND
9	VGA_BLUE	10	GND
11	DDC_DATA	12	DDC_CLK

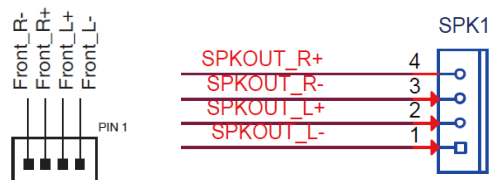
FUSB1



FUSB1

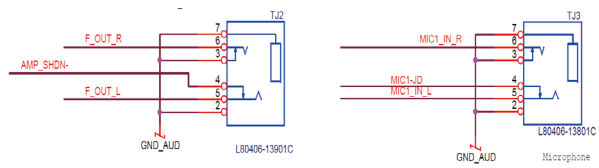
Pin	Define	Pin	Define
1	VCC	2	VCC
3	DATA0-	4	DATA1-
5	DATA0+	6	DATA1+
7	GND	8	GND
9	NC(CUT)	10	GND

SPK1



Pin	Define	Pin	Define
1	SPKOUT_L-	2	SPKOUT_L+
3	SPKOUT_R-	4	SPKOUT_R+

Mic-in/Line-out



*Other Matters Please consult the sales.