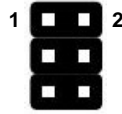


AT Mode Jumper (JPSON1)

Status	Connection	JCLRT_C2
AT Mode	1 – 2	
ATX Mode	2 – 3 (default)	

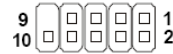
PS/2 Keyboard/Mouse Pin Header (KBMS1)

Pin #	Signal	Function
1	KDAT	Keyboard data
2	KCLK	Keyboard clock
3	MDAT	Mouse data
4	MCLK	Mouse data
5	P5V_KM	+5 V
6	GND	Ground



USB 2.0 Connector (USB45)

Pin #	Signal	Pin #	Signal
1	+5V	2	+5V
3	USB4-	4	USB5-
5	USB4+	6	USB5+
7	GND	8	GND
9	Key	10	NC



Quick Reference Guide

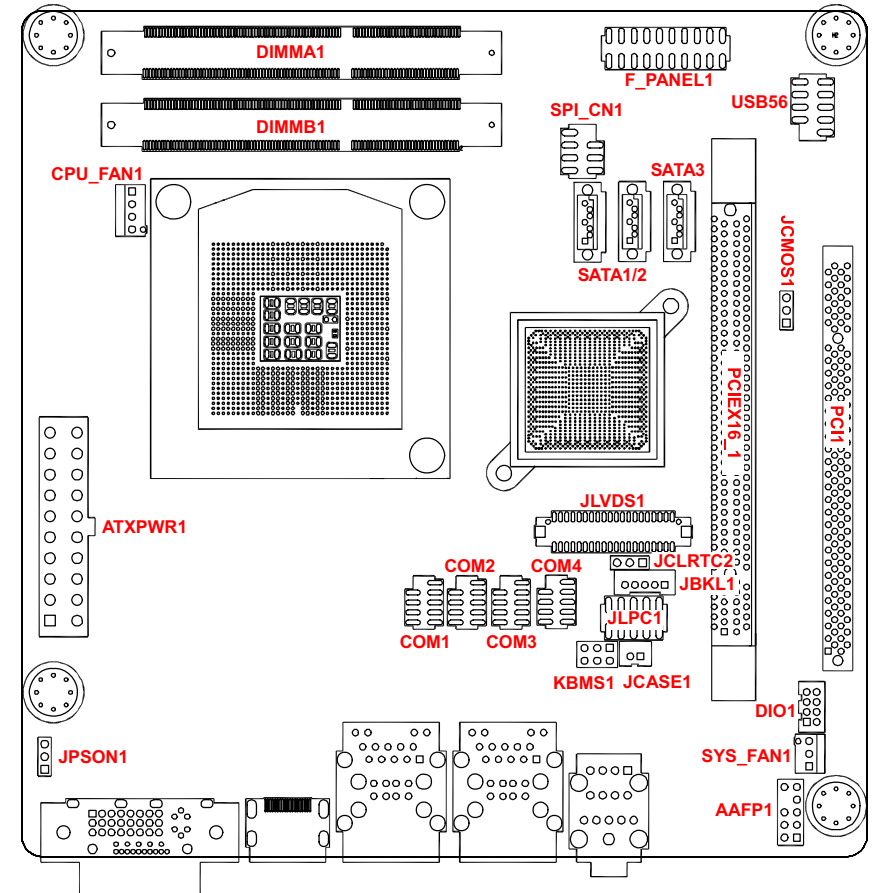


Figure 1: MI-220 Board Layout

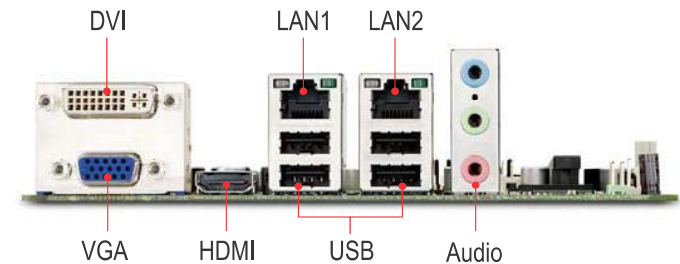


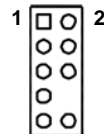
Figure 2: MI-220 Rear I/O Layout

AAFP1	Front Panel Audio pin header	JLPC1	LPC pin header
ATXPWR1	ATX Power connector	JLVDS1	LVDS Flat Panel connector
COM1~4	Serial Port connectors	JPSON1	AT Mode jumper
CPU_FAN1	CPU Fan connector	KBMS1	PS/2 KB/MS pin header
DIMMA1	SO-DIMM Channel A	PCI1	PCI slot
DIMMB1	SO-DIMM Channel B	PCIEX16_1	PCIe x16 slot
DIO1	Digital IO pin header	SATA1/2	SATA 6 Gb/s connectors
F_PANEL1	System Panel pin header	SATA3	SATA 3 Gb/s connector
JBKL1	LCD Inverter connector	SPDIF_OUT	S/PDIF pin header
JCASE1	Chassis Intrusion connector	SPI_CN1	SPI pin header
JCLRT_C2	LCD Backlight Voltage jumper	USB45	USB4/5 pin header
JCMOS1	Clear CMOS jumper		

Table 1: MI-220 Board Layout Legend

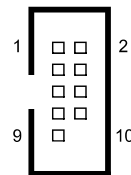
Front Panel Audio Pin Header (AAFP1)

Pin #	Signal	Pin #	Signal
1	MIC2_L	2	GND
3	MIC2_R	4	3.3V
5	LIN2_R	6	SRTN1
7	SENSE A	8	NC
9	LIN2_L	10	SRTN2



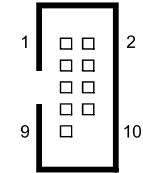
Serial Port Connectors - RS-232 (COM1~4)

Pin #	Signal	Functions
1	DCD	Data Carrier Detect
2	DSR	Data Set Ready
3	RXD	Receive Data
4	RTS	Request to Send
5	TXD	Transmit Data
6	CTS	Clear to Send
7	DTR	Data Terminal Ready
8	RI	Ring Indicate
9	GND	Ground
10	NC	Key



Serial Port Connector - RS-422/485 (COM1)

Pin #	RS-422	RS-485
1	TX-	DATA-
2	N/A	N/A
3	TX+	DATA+
4	N/A	N/A
5	RX+	N/A
6	N/A	N/A
7	RX-	N/A
8	N/A	N/A
9	GND	GND
10	Key	Key



To set COM1 to RS-422/485, go the following BIOS setup screen: Advanced > Super IO Configuration > Serial Port 1 Configuration > Device mode.

System Panel Connector (F_PANEL1)

Pin #	Signal	Function	Pin Group
1	WDSPK	Speaker signal	Chassis Speaker
2	NC		
3	NC		
4	P5V	Power	
5	NC		
6	GND	Ground	Key Lock
7	KEYLOCK	Keyboard lock	
8	PLED	Power LED signal	Power LED
9	NC		
10	P5V	Power LED pull-up	
11	GND	Ground	RESET Button
12	RESETBT	RESET signal	
13	NC		
14	GND	Ground	Power On Button
15	POWERBT	Power-on signal	
16	NC		
17	NC		
18	HDDLED	Hard Disk LED signal	Hard Disk LED
19	P3V3	Hard Disk LED pull-up	
20	NC		

