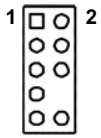
AAFP1	Front Panel Audio pin header	**JLPC1**	LPC pin header
ATXPWR1	ATX Power connector	**JLVDS1**	LVDS Flat Panel connector
COM1~4	Serial Port connectors	**JPSON1**	AT Mode jumper
CPU_FAN1	CPU Fan connector	**KBMS1**	PS/2 KB/MS pin header
DIMMA1	SO-DIMM Channel A	**PCI1**	PCI slot
DIMMB1	SO-DIMM Channel 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

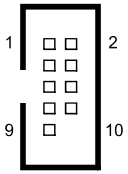
Front Panel Audio Pin Header (AAFP1)

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



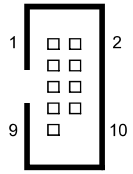
Serial Port Connectors - RS-232 (COM1~4)

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-422/485/485+ (COM1)

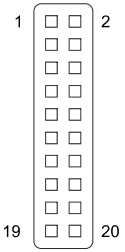
Pin #	RS-422/485	RS-485
1	TX-	DATA-
2	N/A	N/A
3	TX+	DATA+
4	N/A	N/A
5	RX+	N/A
6	N/A	N/A
7	RX-	N/A
8	N/A	N/A
9	GND	GND
10	Key	Key



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

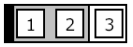
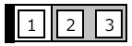
System Panel Connector (F_PANEL1)

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



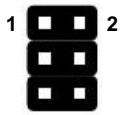
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AT Mode Jumper (JPSON1)

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



NOTE: The HDMI port has limited clearance with the rear I/O shield. Use an HDMI cable with a low-profile molding.

Quick Reference Guide

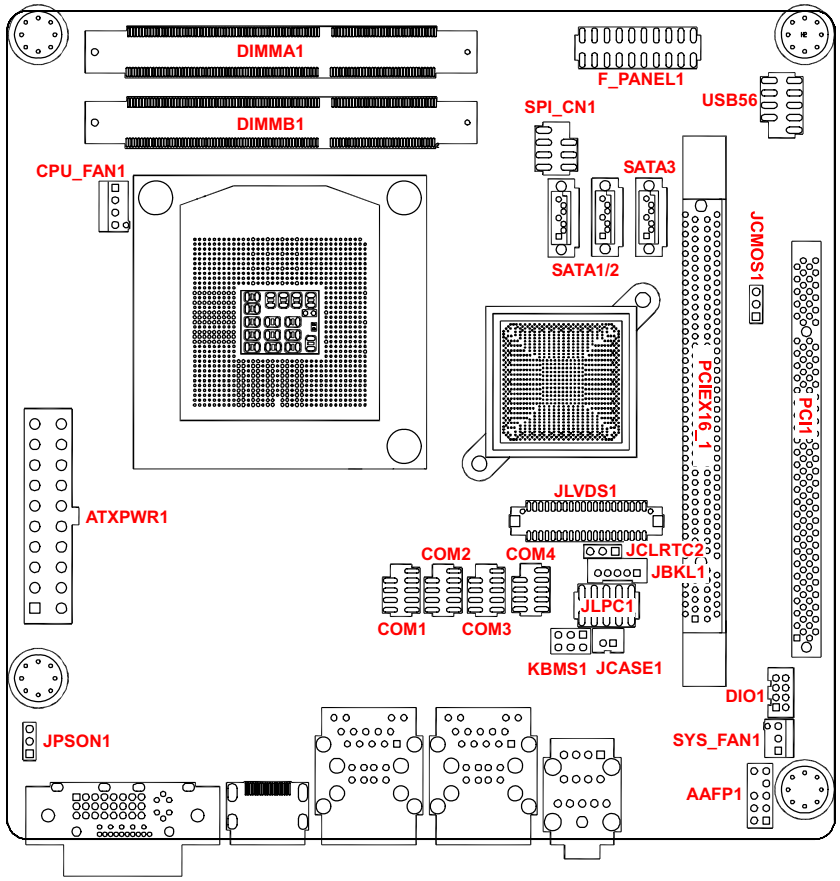


Figure 1: MI-220 Board Layout

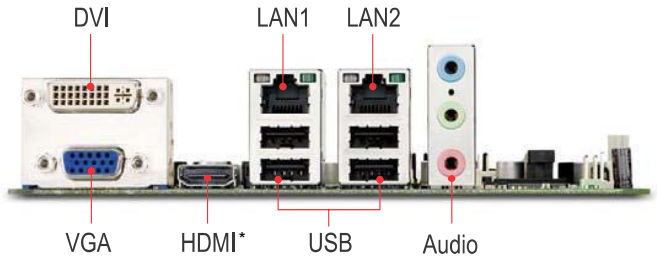


Figure 2: MI-220 Rear I/O Layout

*See HDMI note on page 4.

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