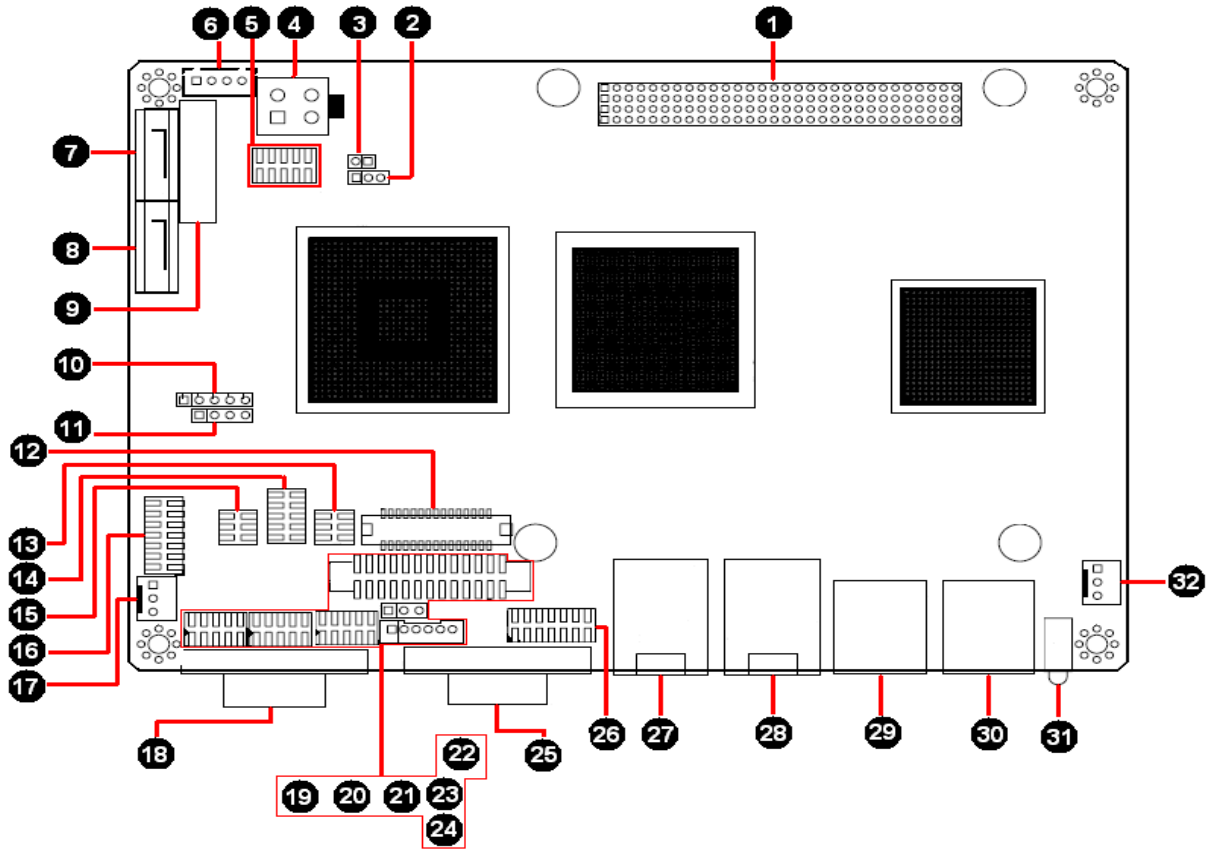


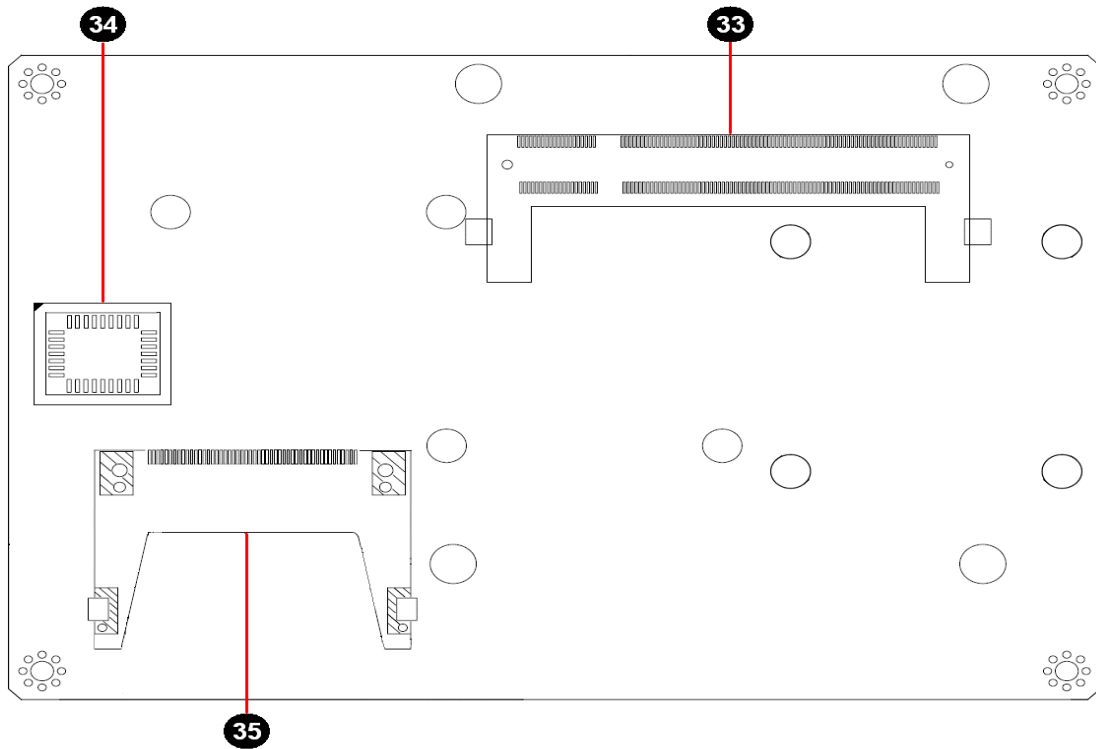
AR-B5432 series Quick Manual V1.0

1. Main board illustration (Top Side)



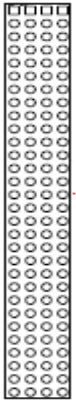




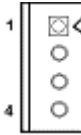
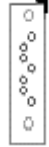
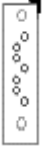

1	CN2	13	CN7	25	VGA1
2	JP2	14	GPIO1	26	CN1
3	JP3	15	JP5	27	LAN1
4	PWR5	16	AUDIO1	28	LAN2
5	CN4	17	SYSFAN1	29	CN3
6	PWR3	18	COM1	30	CN8
7	SATA1	19	COM4	31	LED1
8	SATA2	20	COM3	32	CPUFAN1
9	BAT1	21	COM2		
10	IR1	22	DVI-D1		
11	CN6	23	PWR2		
12	LVDS1	24	PWR1		

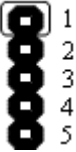
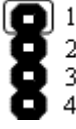
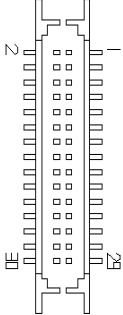



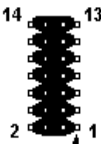
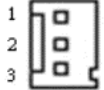
Main board illustration (Bottom Side)







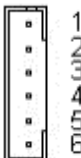
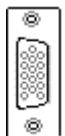









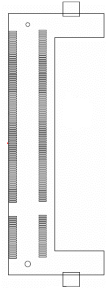
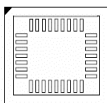
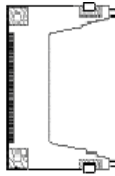
33	SODIMM1
34	SKT1
35	CF1

2. Connectors and Jumper settings

1. CN2: PCI-104 connector.		2. JP2: CMOS data retention/clear.		3. JP3: Signal SERIRQ connects to PCI-104 pin #B1 selection.																																										
 <p>PCI-104 connector.</p>		<table border="1"> <thead> <tr> <th>STATUS</th> <th>SETTING</th> </tr> </thead> <tbody> <tr> <td>1-2</td> <td>CMOS data retention. (Default).</td> </tr> <tr> <td>2-3</td> <td>CMOS data reset.</td> </tr> </tbody> </table>	STATUS	SETTING	1-2	CMOS data retention. (Default).	2-3	CMOS data reset.		<table border="1"> <thead> <tr> <th>STATUS</th> <th>SETTING</th> </tr> </thead> <tbody> <tr> <td>Open</td> <td>Disconnected. (Default)</td> </tr> <tr> <td>Short</td> <td>Connected.</td> </tr> </tbody> </table>	STATUS	SETTING	Open	Disconnected. (Default)	Short	Connected.																														
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4. PWR5: External +12V DC power input connector.		5. CN4: Internal USB2.0 connector for USB2.0 port #3, port #4.		6. PWR3: Extra +12V and +5V DC power output connector (for SATA device).																																										
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7. SATA1: SATA device connector #1.		8. SATA2: SATA device connector #2.		9. BAT1: CMOS battery holder.																																										
 <p>SATA device connector #1.</p>	 <p>SATA device connector #2.</p>	 <p>CMOS battery holder.</p>																																												

10. IR1: Infrared device connector. (Optional)		11. CN6: RS422/RS485 signal connector.		12. LVDS1: LCD panel (LVDS, 18-bit/36-bit) connector.																																																																																							
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13. CN7: Front panel connector. (NOTE 1)		14. GPIO1: 8-bit TTL-3.3V GPIO connector.																																																																																									
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15. JP5: COM2 function - RS232/RS422/RS485 - selection.		16. AUDIO1: 5.1 channels Audio signal connector.		17. SYSFAN1: System DC fan connector.																																																																																							
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<p>18. COM1: D-SUB-9 male connector for RS232 port #1.</p>	<p>19. COM4: RS232 signal connector for port #4.</p>	<p>20. COM3: RS232 signal connector for port #3.</p>																																																																																						
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<p>21. COM2: RS232 signal connector for port #2.</p>	<p>22. DVI-D1: DVI-D signal output connector.</p>	<p>23. PWR2: LCD panel driving voltage selection.</p>																																																																																						
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<p>24. PWR1: LCD panel inverter power connector.</p>	<p>25. VGA1: D-SUB-15 female connector for VGA output.</p>	<p>26. CN1: TV-out signal connector.</p>																																																																																						
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27. LAN1: RJ45 connector for Gigabit Ethernet port #1.		28. LAN2: RJ45 connector for Gigabit Ethernet port #2.		29. CN3: USB A-type stack connector for USB2.0 port #1, port #2.									
	<p>RJ45 connector for Gigabit Ethernet port #1. Wake-On-LAN supported.</p>		<p>RJ45 connector for Gigabit Ethernet port #2.</p>		<p>Upper: Port #2. Lower: Port #1.</p>								
30. CN8: USB A-type stack connector for USB2.0 port #5, port #6.		31. LED1: System standby power and HDD access indicators.		32. CPUFAN1: CPU DC fan connector.									
	<p>Upper: Port #6. Lower: Port #5.</p>		<p>Green: Standby power indicator. Yellow: HDD access indicator.</p>		<table border="1"> <thead> <tr> <th>PIN</th> <th>SETTING</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>GND</td> </tr> <tr> <td>2</td> <td>+12V</td> </tr> <tr> <td>3</td> <td>Fan speed data</td> </tr> </tbody> </table>	PIN	SETTING	1	GND	2	+12V	3	Fan speed data
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33. SODIMM1: 200-pin un-buffered DDR-II SODIMM socket.		34. SKT1: 32-PLCC socket for flash EEPROM (system BIOS access).		35. CF1: Type-II compact flash card socket.									
	<p>Supports DDR-II 533/400MHz un-buffered and non-ECC SODIMM. Capacity is 2GBs max.</p>		<p>32-PLCC socket for flash EEPROM.</p>		<p>+3.3V CF card only and UDMA mode supported.</p>								

NOTE 1:

CN7: Front panel connector.



STATUS	SETTING
1	External buzzer.
2	1: Buzz + 2: Buzz -
3-4	Hardware reset
5-6	Power button for ATX mode; jumper shorted for AT mode.

When using **AT mode** in the system, the pin5-6 of header **CN7** must be shorted. If using **ATX mode** in the system, the pin5-6 of header **CN7** should connect to a **Push-Button-Switch**.

NOTE: When using AT mode, the monitor will not display any message and the system will not auto-shut down after soft-off. In this case, please cut the PSU's power off or remove PSU's power to cut the system power off.