

MBPC-300 User's Note

3rd Edition

MBPC-300 MicroBox PC is a chassis for 5.25" Biscuit PC. Which support PCM-4862, PCM-5862/L, PCM-5862E/ 5862EL, PCM-5864, PCM-9570, and PCM-9574

1-1 Specification

2 expansion slot for PC/104 module

2.5" HDD drive bay

Dimension: 247mm x 166mm x 67.5mm

1-2 Model:

MBPC-300-4862: For PCM-4862

MBPC-300-5862: For PCM-5862 and PCM-5862E

MBPC-300-5862L: For PCM-5862, PCM-5862EL, and PCM-5864L

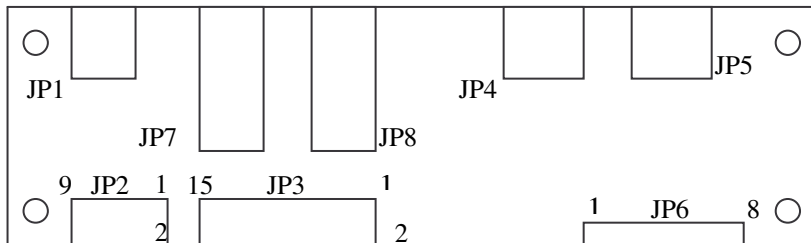
MBPC-300-5864: For PCM-5864

MBPC-300-9570: For PCM-9570

MBPC-300-9574: For PCM-9574

1-3 MBPC-300 I/O Adapter

MBPC-300 I/O Adapter A102-2 is Keyboard, mouse, Ethernet and Audio adapter Drawing which for MBPC-300-5862, MBPC-300-5862L, MBPC-300-9570, MBPC-300-9574 and MBPC-300-4862



I/O ADAPTER A102-2

1-3-1 Connectors

Label	Function
Jp1	Ethernet connector
Jp2	Ethernet connector (pin header)
Jp3	Audio connector (pin header) For MBPC-300-5862 only
Jp4	Mouse connector

- Jp5 Keyboard connector
- Jp6 Keyboard/Mouse connector (pin header)
- Jp7 Line in/Line out connector, For MBPC-300-5862 only
- Jp8 MIC in/Sppeaker out connector, For MBPC-300-5862 only

1-3-2 Pin assignment

JP2 (Ethernet input connector)

Pin	Signal	Pin	Signal
1	Vcc	6	GND
2	CRS LED	7	N/C
3	RCV-	8	GND
4	RCV+	9	XMT+
5	BNC LED	10	XMT-

JP3 (Audio in connector)

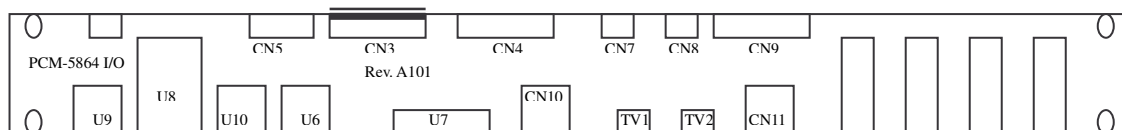
Pin	Signal	Pin	Signal
1	SPK out R+	9	LIN in R
2	SPK out R-	10	LIN in L
3	SPK out L+	11	GND
4	SPK out L-	12	GND
5	LIN out R	13	N/C
6	LIN out L	14	N/C
7	GND	15	MIC in
8	GND	16	GND

JP6 (KB/Mouse input connector)

Pin	Signal
1	GND
2	Mouse Vcc
3	Mouse DATA
4	Mouse Clock
5	GND
6	K/B Vcc
7	K/B DATA
8	K/B Clock

1-4 PCM-5864 I/O Adapter

PCM-5864 I/O Adapter A101-3 is Keyboard, mouse, Ethernet, Video-in, Video-in and Audio adapter Drawing which for MBPC-300-5864



PCM-5864 I/O ADAPTER A101-3

1-4-1 Connectors

Label	Function
CN3	Keyboard/Mouse connector (8x1 pin header)
CN4	VGA connector (2x8 pin header)
CN5	Ethernet connector (5x2pin header)
CN6	USB connector (5x 2 pin header)
CN7	TV-out connector (3x2 pin header)
CN8	Video in connector (4x2 pin header)
CN9	Audio connector (8x2 pin header)
CN10	TV-out (S-Video connector)
CN11	Video-in (S-Video connector)
U6	PS/2 Mouse connector
U7	VGA(CRT display) connector
U8	RJ-45 Ethernet connector
U9	USB connector
U10	PS/2 Keyboard connector
U11	Speaker out
U12	Line out
U13	Line in
U14	MIC
TV1	TV-out (RCA composite connector)
TV2	Video-in (RCA composite connector)

1-4-2 Pin assignment

CN3 (Keyboard/Mouse connector)				CN4 (VGA connector)			
Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
1	GND	5	GND	1	RED	9	VGA G ND
2	MS VCC	6	KB VCC	2	VG A DT	10	VGA H
3	MS DATA	7	GKB DATA	3	GREEN	11	VGA GND
4	MS CLOCK	8	KB CLOCK	4	VG A GND	12	VGA V
				5	BLUE	13	VGA GND
				6	VG A CK	14	N/C
				7	N/C	15	VGA GND
				8	N/C	16	N/C

CN5 (Ethernet connector)

Pin	Signal	Pin	Signal
1	Vcc	2	CRS LED
3	RCV+	4	RCV-
5	BNC LED	6	GND
7	N/C	8	GND
9	XMT+	10	XMT-

CN6(USB connector)

Pin	Signal	Pin	Signal
1	+5V	2	+5V
3	UV-	4	UV-
5	UV+	6	UV+
	7 GND	8	GND
9	Chassis GND	10	N/C

CN7 (TV-out)

Pin	Signal	Pin	Signal
1	Composite out	2	GND
3	Luminance out	4	GND
5	Chrominance out	6	GND

CN8 (Video in)

Pin	Signal	Pin	Signal
1	AV In	2	GND
3	GND	4	Chrominance In
5	N/C	6	GND
7	GND	8	Luminance In

CN9 (Audio connector)

Pin	Signal	Pin	Signal
1	SPK out R+	9	LIN in R
2	N/C	10	LIN in L
3	SPK out L+	11	GND
4	N/C	12	GND
5	LIN out R	13	N/C
6	LIN out L	14	N/C
7	GND	15	MIC in
8	GND	16	GND