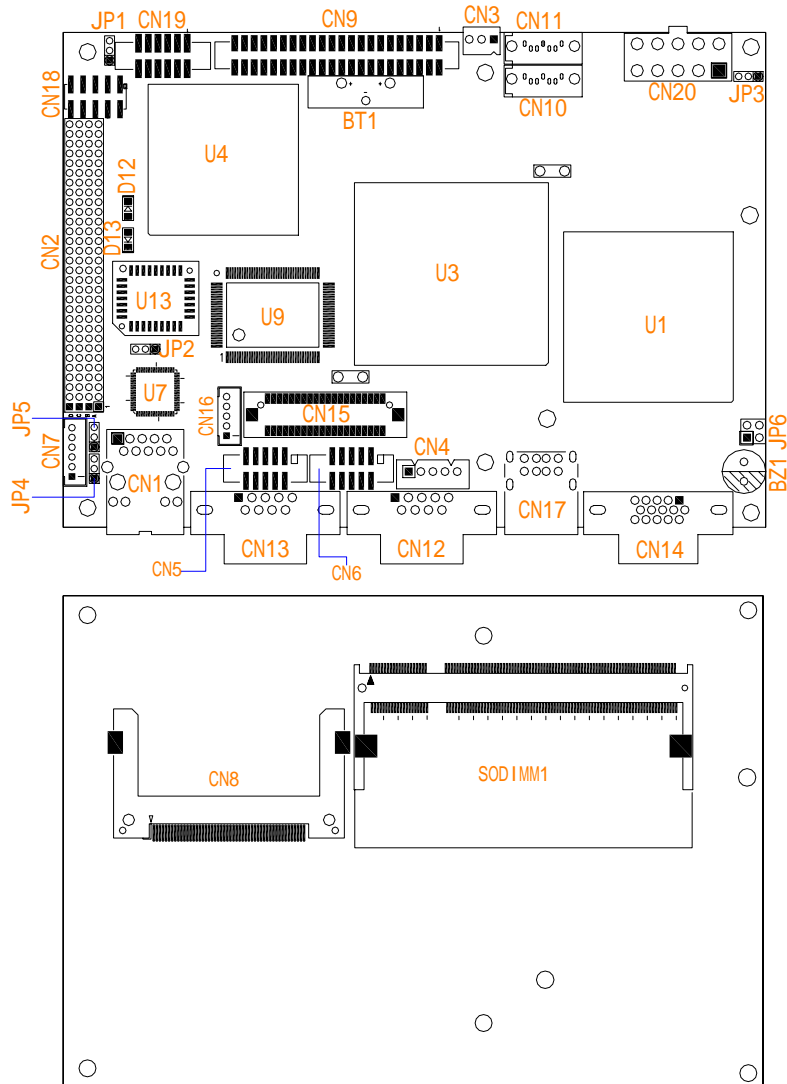


1. Brief

The FB2632x is an all-in-one, 3.5" disk size, low power Intel Celeron-M CPU board. This user's quick setting provides the jumper settings, connector location, and their pin assignment.

2. Board Placement



3. Packing List

- 1 FB2632x all-in-one CPU board.
- 2 SATA adapter cables.
- 1 PS/2 keyboard and mouse port adapter cable.
- 2 serial port adapter cables.
- 1 audio adapter cable and 1 USB adapter cable with FB4706 adapter board.
- 1 ATX to mini ATX power adapter cable.
- 1 compact disc includes software utility.
- 1 hard copies of this quick setup manual.

4. Features

- * On-board low power Intel Celeron-M processor with fanless operation.
- * Intel 910GME+ICH6 chipset with UMA architecture.
- * 1 So-DIMM socket for up to 2GB DDR2-533 SDRAM.
- * One 10/100/1000 Base-TX Ethernet port.
- * Provides CRT and LVDS LCD with 16MB to 128MB shared memory.
- * 3 RS-232, 1 RS-232/422/485, and 1 PS/2 compatible keyboard+mouse interface
- * 1 44-pin PATA (IDE), 2 SATA ports, and 1 Compact Flash socket.
- * 4 USB ports (2 with header only) and software programmable watchdog timer.
- * 2 TTL input lines and 2 TTL output lines.
- * HD audio function supports Line-In, Line-Out, and Mic-In.
- * Flash BIOS with easy upgrade utility.
- * Power requires: +5V, +12. and 5V standby ATX power, 41W maximum.
- * 3.5" disk size, 145 mm x 102 mm (5.7" x 4.0")

5. Connectors and Jumpers List

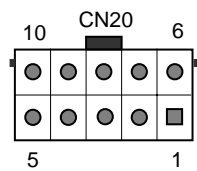
Name	Function	Name	Function
CN1	LAN Connector (RJ45)	CN17	USB #1 & USB #2 Connector
CN2	PC/104+ Expansion BUS (4*30-pin)	CN18	USB #3 & #4 Connector (J2*5)
CN3	Aux. CPU Cooling Fan Connector	CN19	AMR Connector (12-pin mIDC)
CN4	TTL I/O Header (5-pin JST)	CN20	Power Connector (10-pin miniATX)
CN5	COM3 Connector (10-pin mIDC)	-	-
CN6	COM4 Connector (10-pin mIDC)	JP1	Clear CMOS Jumper (mJ1*3)
CN7	KB/MS Connector (6-pin mJST)	JP2	PCI I/O Voltage Select (mJ1*3)
CN8	Compact Flash Socket (50-pin)	JP3	CF Master/Slave Select (mJ1*3)
CN9	44-pin IDE Connector (44-pin mIDC)	JP4/JP5	COM2 Mode Select (mJ2*3)
CN10	SATA #1 Connector	JP6 (1-3)	Reset Header (J1*2)
CN11	SATA #2 Connector	JP6 (2-4)	Power Switch Header (J1*2)
CN12	COM1 Connector (9-pin D-sub)	-	-
CN13	COM2 Connector (9-pin D-sub)	BZ1	On-Board Buzzer
CN14	CRT Connector (15-pin D-sub)	D12	Hard Disk/CF Access LED (Red)
CN15	LVDS Connector (40-pin DF13)	D13	Power/Watchdog LED (Green)
CN16	LCD Power Connector (5-pin mJST)	SODIMM1	DDR2 SoDIMM Socket (200-pin)

6. Connectors, Headers and Their Relative Jumpers

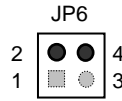
A. Reset Header (Pin 1, 3 of JP6)

Pin 1, 3 of JP6 is a 2-pin header for system reset. Close these 2 pins will cause hardware reset of FB2632x and restart the system booting.

B. Power Connector (CN20) and Power On Header (Pin 2, 4 of JP6)



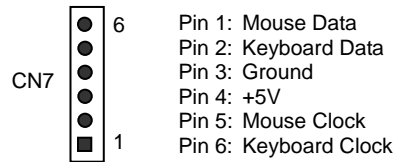
CN20	Signal	CN20	Signal
1	PSON#	6	5VSB
2	Ground	7	+5V
3	Ground	8	+5V
4	+12V	9	-12V
5	+3.3V	10	Ground



Connects pin 2, 4 of JP6 to a soft-start power button.

C. Keyboard and Mouse Connector (CN7: 6-pin 2.0mm JST)

CN7 provides PS/2 keyboard and mouse interface, use the included adapter cable to connect between CN7 and standard PS/2 devices.

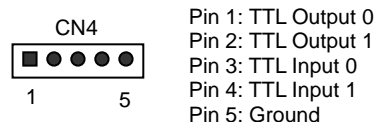


D. PATA (IDE), CompactFlash, and SATA Connectors (CN9, CN8, JP3, CN10, and CN11)

Use (optional) included IDE cable, CN9 (PATA) can attach up to two 2.5" IDE hard disks if CompactFlash socket is empty. The CompactFlash socket CN8 (on the solder side) supports 3.3V CompactFlash and MicroDrives. JP3 is used to select master/slave device of this socket. Be sure to avoid the same master/slave setting with which connects to 44-pin IDE (CN9) connector, if CN9 and CN8 (if existed) are used simultaneously.



E. TTL I/O Connector (CN4)



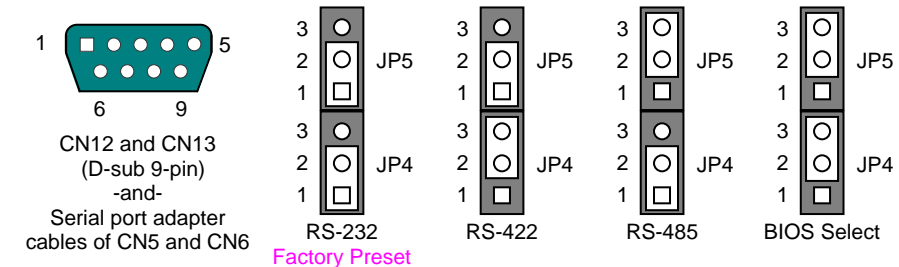
Note: Please refer to User's Manual for detail of bit location.

F. Serial Port Connectors and Select Jumpers (CN12, CN13, CN5, CN6, JP4, and JP5)

There are 4 connectors and 2 jumpers that served for on-board 4 serial ports. The following table and figure list the combination and pin definition of them:

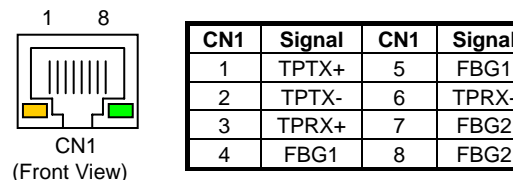
Functional connector, header, and jumper of serial ports	Serial Port 1	Serial Port 2	Serial Port 3	Serial Port 4	Remark
RS-232 Signals	CN12	CN13	CN5	CN6	
RS-422 Signals	-	CN13	-	-	
RS-485 Signals	-	CN13	-	-	
232/422/485 Mode Select	-	JP4/JP5	-	-	

CN12	Signals	CN13	RS-232	RS-422	RS-485	CN5 CN6	D-sub 9-pin	Signals
1	-DCD1	1	-DCD2		-	1	1	-DCD3/4
6	-DSR1	6	-DSR2		-	2	6	-DSR3/4
2	RXD1	2	RXD2	RX-	485-	3	2	RXD3/4
7	-RTS1	7	-RTS2	TX-	-	4	7	-RTS3/4
3	TXD1	3	TXD2	RX+	485+	5	3	TXD3/4
8	-CTS1	8	-CTS2	TX+	-	6	8	-CTS3/4
4	-DTR1	4	-DTR2		-	7	4	-DTR3/4
9	-RI1	9	-RI2		-	8	9	-RI3/4
5	Ground1	5	Ground2			9	5	Ground3/4
Metal	C. G.	Metal	Case Ground (C.G.)			10	Metal	C. G.

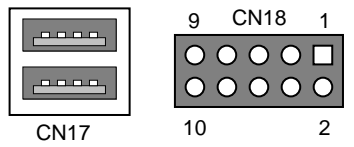


G. LAN Connector (CN1: RJ45 with 2 LEDs)

CN1 is a RJ45 connectors with 2 LEDs for LAN status. The orange LED indicates data is accessing and the green LED indicates on-line status. (When lighted indicates on-line and off indicates off-line).



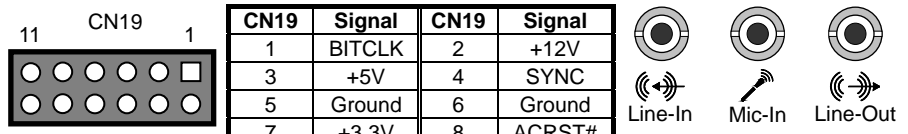
H. USB Connectors (CN17 and CN18)



CN18	Signal	CN18	Signal
1	USBV3	2	Case Ground
3	USBD3-	4	USBG4
5	USBD3+	6	USBD4+
7	USBG3	8	USBD4-
9	Case Ground	10	USBV4

I. Audio (AMR) Connector (CN19: 12-pin 2.0mm IDC) and Expand USB Connectors on FB4706 Adapter Board

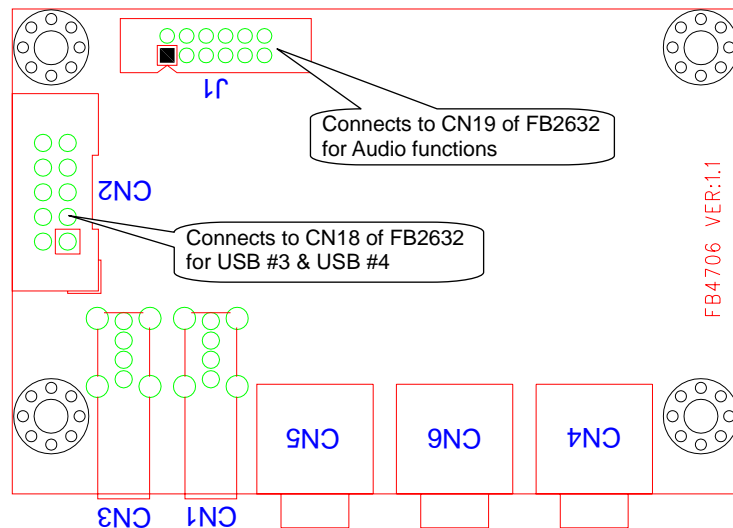
CN19 is a 12-pin 2.0mm IDC connector with AMR signals for Audio I/O. Use the included Audio cable and FB4706 adapter board for your Audio applications. CN5, CN6, and CN4 connectors on FB4706 are 2-way Line-In, mono Microphone input, and 2-way Line-Out respectively. The following figure shows CN19 and Audio connectors on FB4706 board:



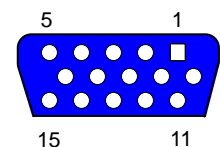
CN19	Signal	CN19	Signal
1	BITCLK	2	+12V
3	+5V	4	SYNC
5	Ground	6	Ground
7	+3.3V	8	ACRST#
9	SDOUT	10	SDIN2
11	SDIN0	12	SDIN1

Audio Connectors on FB4706 Adapter Board:
 Line-In, Mic-In, Line-Out

Use the included expand USB cable connects to CN18 of FB4706 for USB #3 and USB #4 signals (CN1 and CN3 on FB4706). Please refer the following FB4706 Board Layout:



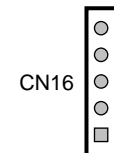
J. CRT Connector (CN14)



Pin 1: Red
 Pin 2: Green
 Pin 3: Blue
 Pin 13: Hsync
 Pin 14: Vsync
 Pin 12: DDC Data
 Pin 15: DDC Clock
 Pin 5 & 10: Digital Ground
 Pin 6,7,8: Analog Ground
 Others: Not Used

K. LCD Connectors (CN15 and CN16)

CN15	Signal	CN15	Signal	CN15	Signal	CN15	Signal
1	+3.3V	21	Y2+	2	+3.3V	22	Z2+
3	Ground	23	Ground	4	Ground	24	Ground
5	+5V	25	YCK-	6	+5V	26	ZCK-
7	Y0-	27	YCK+	8	Z0-	28	ZCK+
9	Y0+	29	Ground	10	Z0+	30	Ground
11	Ground	31	DDC_CLK	12	Ground	32	DDC_DATA
13	Y1-	33	Ground	14	Z1-	34	Ground
15	Y1+	35	N. C.	16	Z1+	36	N. C.
17	Ground	37	N. C.	18	Ground	38	N. C.
19	Y2-	39	N. C.	20	Z2-	40	N. C.



Pin 1: +12V
 Pin 2: Ground
 Pin 3: ENVDD2
 Pin 4: N. C.
 Pin 5: +5V

Note: If any question when connecting FB2632x with LCD panels, you could contact technical support division of FabiaTech Corporation.


L. SoDIMM Socket (SODIMM1)

SODIMM1 supports 200-pin DDR2-400/533 RAM with size of 256MB, 512MB, 1GB, and 2GB.

M. On-board Buzzer (BZ1), On-board LED Indicators (D12, D13), CPU Cooling Fan Connector (CN3), and and Clear CMOS RAM (JP1)

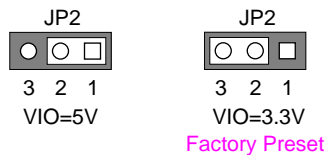
D12 HDD/CF Access LED
 D13 Power/Watchdog LED

CN4 Pin 1: Ground
 Pin 2: +12V
 Pin 3: Fan Speed
 (Reserved Connector)



Normal Operation
 Factory Preset

Clear CMOS RAM
 Close pin 2 & 3 for about 3 seconds

N. VIO (on CN2) Select (JP2)**O. PCI/104 Connector (CN2: 30*4-pin) (Note *1: The original are reserved pins)**

CN2	Signal	CN2	Signal	CN2	Signal	CN2	Signal
A1	N. C.	B1	N. C. (*1)	C1	+5V	D1	AD0
A2	VIO	B2	AD2	C2	AD1	D2	+5V
A3	AD5	B3	Ground	C3	AD4	D3	AD3
A4	C/BE#0	B4	AD7	C4	Ground	D4	AD6
A5	Ground	B5	AD9	C5	AD8	D5	Ground
A6	AD11	B6	VIO	C6	AD10	D6	M66EN
A7	AD14	B7	AD13	C7	Ground	D7	AD12
A8	+3.3V	B8	C/BE#1	C8	AD15	D8	+3.3V
A9	SERR#	B9	Ground	C9	N. C. (*1)	D9	PAR
A10	Ground	B10	PERR#	C10	+3.3V	D10	N. C. (*1)
A11	STOP#	B11	+3.3V	C11	LOCK#	D11	Ground
A12	+3.3V	B12	TRDY#	C12	Ground	D12	DEVSEL#
A13	FRAME#	B13	Ground	C13	IRDY#	D13	+3.3V
A14	Ground	B14	AD16	C14	+3.3V	D14	C/BE#2
A15	AD18	B15	+3.3V	C15	AD17	D15	Ground
A16	AD21	B16	AD20	C16	Ground	D16	AD19
A17	+3.3V	B17	AD23	C17	AD22	D17	+3.3V
A18	IDSEL0	B18	Ground	C18	IDSEL1	D18	IDSEL2
A19	AD24	B19	C/BE#3	C19	VIO	D19	IDSEL3
A20	Ground	B20	AD26	C20	AD25	D20	Ground
A21	AD29	B21	+5V	C21	AD28	D21	AD27
A22	+5V	B22	AD30	C22	Ground	D22	AD31
A23	REQ#0	B23	Ground	C23	REQ#1	D23	VIO
A24	Ground	B24	REQ#2	C24	+5V	D24	GNT#0
A25	GNT#1	B25	VIO	C25	GNT#2	D25	Ground
A26	+5V	B26	PCICLK0	C26	Ground	D26	PCICLK1
A27	PCICLK2	B27	+5V	C27	PCICLK3	D27	Ground
A28	Ground	B28	INTD#	C28	+5V	D28	RESET#
A29	N. C.	B29	INTA#	C29	INTB#	D29	INTC#
A30	N. C.	B30	REQ#3	C30	GNT#3	D30	N. C.

End of Document