

CBL-1433-00

CABLE-SET FOR THE CPU-1433

CBL-1433-00 Cable Set

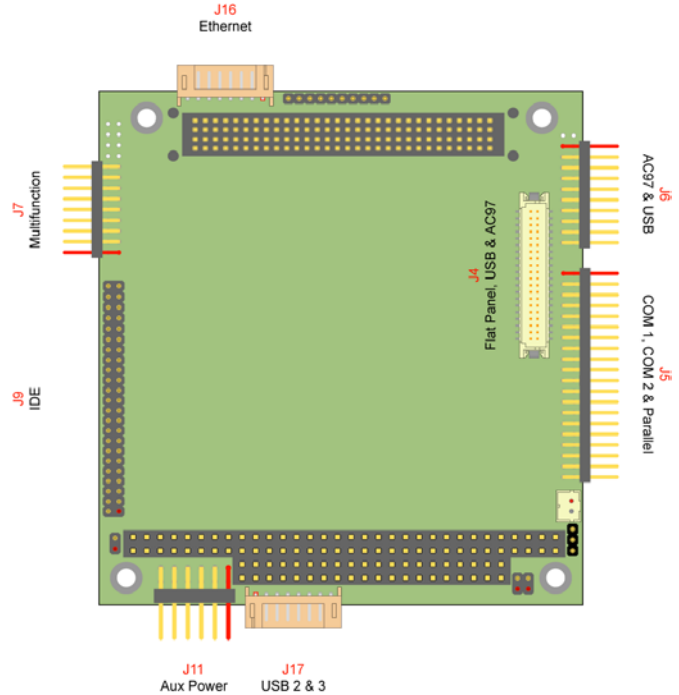
Cable Set Overview

- The CBL-1433-00 Cable set is intended to enable customers to start rapidly developing solutions using the CPU-1433 range of modules.
- All the Cables and adaptors are fully RoHS compliant.
- Users should refer to the Module documentation, available from the Eurotech Website in the DownLoad Area, before attempting to use the Module or Cable set.
- Customers should note that all images contained within this document are only intended as a guide, actual cables may vary, but will always meet or exceed the specifications as shown.

Cable Set Contents

- 1x 7020000011L: Auxiliary power input
- 1x 7000000045L: 2x IDE
- 1x 7000000124L: Multifunction, Mouse and VGA
- 1x 7030000070L: Flat Panel, USB & AC97
- 1x 7000000071L: 2x Serial Ports & 1x Parallel
- 1x ACS-9079-00: Multifunction Adaptor

CPU-1433 Connector Locations



Related Parts

ACS-9092-00: 2 Dual-Port USB type "A" adapters for J6 & J17

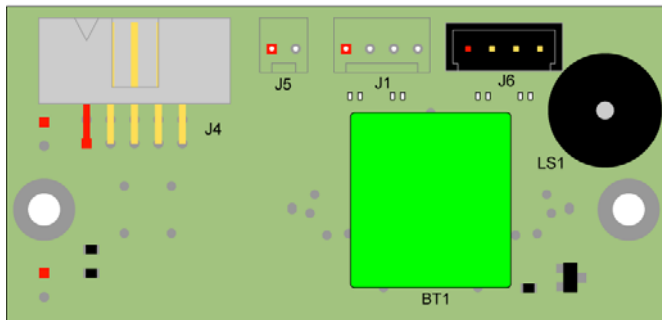
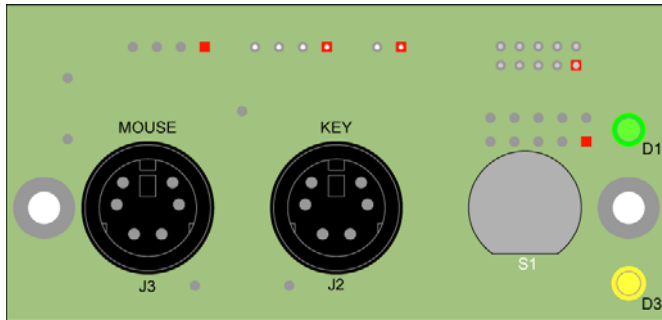
ACS-9093-01: AC97 Audio CODEC for J6

ACS-9095-05: RJ45 Ethernet 10/100 adapter for J16

ACS-9079-00: Multifunction Adaptor



Connector Layout



Connector Usage

- J1: Not mounted as standard
- J2: Keyboard
 - Standard PS2 style keyboard connector
- J3: Mouse
 - Standard PS2 style Mouse connector
- J4: Main Interface to CPU module
 - Male Shrouded IDC Header
 - 10pin (5x2)
 - 2.54mm pitch
 - Use 7000000124L to connect to CPU

Pin #	Use	Pin #	Use
1	Speaker	2	+5V
3	Reset	4	Not Connected
5	Keyboard Data	6	Keyboard Clock
7	Ground	8	+5V
9	VBAT	10	VPP

- J5: Not mounted as standard
- J6: Mouse interface
 - Male Shrouded IDC Header
 - 4pin (4x1)
 - 2.54mm pitch
 - Use 7000000124L to connect to CPU

Pin #	Use	Pin #	Use
1	Vcc	2	Mouse Clock
3	Ground	4	Mouse Data

Other Components

- BT1: Backup Battery
 - Ni-MH
 - 3.6V
 - 60mAh
- LS1: Miniature Speaker
- S1: Reset Push-button
- D1: Green LED
 - Power present
- D3: Yellow LED
 - Activity



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ETH_CBL-1433-00_TDS050607

CBL-1433-00

CABLE-SET FOR THE CPU-1433

7020000011L: Auxiliary Power Input



Connector Pinout

Pin #	Colour	Use	Pin #	Colour	Use
1	Black	Ground	2	Red	+5 Volts
3	--	No Cable	4	Yellow	+12 Volts
5	White	-5 Volts	6	Blue	-12 Volts
7	Black	Ground	8	Red	+5 Volts
9	Brown	Watchdog	10	Pink	Power Button
11	Purple	+5 VSB	12	Green	Power Supply On

Connector Details

Name	Usage	Type
Cn1	To CPU-1433 ▪ J11	Female 12-Pin (6x2), 2.54mm pitch IDC Connector

7000000045L: 2x IDE



Connector Details

Name	Usage	Type
Cn1	To CPU-1433 ▪ J9	Female 44-Pin (22x2), 2.00mm pitch IDC Connector
Cn2	To IDE Device #1	Female 40-Pin (20x2), 2.54mm pitch IDC Connector
Cn3	To IDE Device #2	Female 40-Pin (20x2), 2.54mm pitch IDC Connector

Connector Pinout

Cn1 Pin #	Cn2/3 Pin #	Usage	Cn1 Pin #	Cn2/3 Pin #	Usage	Cn1 Pin #	Cn2/3 Pin #	Usage	Cn1 Pin #	Cn2/3 Pin #	Usage
1	1	RESET	2	2	GND	23	23	DIOW#	24	24	GND
3	3	DD 7	4	4	DD 8	25	25	DIOR	26	26	GND
5	5	DD 6	6	6	DD 9	27	27	IORDY	28	28	CSEL
7	7	DD 5	8	8	DD 10	29	29	DMACK	30	30	GND
9	9	DD 4	10	10	DD 11	31	31	INTRQ	32	32	IOCS16
11	11	DD 3	12	12	DD 12	33	33	DA1	34	34	Cable ID
13	13	DD 2	14	14	DD 13	35	35	DA0	36	36	DA2
15	15	DD 1	16	16	DD 14	37	37	CS0	38	38	CS1
17	17	DD 0	18	18	DD 15	39	39	DASP	40	40	GND
19	19	GND	20	20	KEY PIN	41	--	--	42	--	--
21	21	DMARQ	22	22	GND	43	--	--	43	--	--

7000000071L: 2x COM Ports & 1x Parallel Port**Connector Details**

Name	Usage	Type
Cn1	To CPU-1433 ▪ J5	FCI Part Number 90311-018LF Female 18-Pin (9x2), 2.00mm pitch Minitek IDC Connector
Cn2	Parallel	Female 25-pin D-Sub
Cn3	COM 1	Male 9-pin D-Sub
Cn4	COM 2	Male 9-pin D-Sub

Connector Pinout

Cn1 Pin #	To	Pin #	Usage
1	Cn2	1	STROBE
3	Cn2	2	PD0
5	Cn2	3	PD1
7	Cn2	4	PD2
9	Cn2	5	PD3
11	Cn2	6	PD4
13	Cn2	7	PD5
15	Cn2	8	PD6
17	Cn2	9	PD7
19	Cn2	11	BUSY

Cn1 Pin #	To	Pin #	Usage
2	Cn2	14	AUTOFD
4	Cn2	15	ERROR
6	Cn2	16	INIT
8	Cn2	17	SLCTIN
10	Cn2	18	GND
12	Cn2	19	GND
14	Cn2	20	GND
16	Cn2	21	GND
18	Cn2	10	ACK
20	Cn2	12	PE

Cn1 Pin #	To	Pin #	Usage
21	Cn2	13	SLCT
23	Cn3	1	DCD
25	Cn3	2	RX
27	Cn3	3	TX
29	Cn3	4	DTR
31	Cn3	5	GND
33	Cn4	6	DSR
35	Cn4	7	RTS
37	Cn4	8	CTS
39	Cn4	9	RI

Cn1 Pin #	To	Pin #	Usage
22	Cn2	26	--
24	Cn3	6	DSR
26	Cn3	7	RTS
28	Cn3	8	CTS
30	Cn3	9	RI
32	Cn4	1	DCD
34	Cn4	2	RX
36	Cn4	3	TX
38	Cn4	4	DTR
40	Cn4	5	GND

7030000070L: Flat Panel, USB & AC97**Connector Details**

Name	Usage	Type
Cn1	To CPU-1433 ▪ J4	HiRose Part Number DF13-40DS-1.25C Female 40-Pin (20x2), 1.25mm pitch
Cable	Length 20 cm	AWG20

7000000124L: Multifunction, Mouse and VGA**Connector Details**

Name	Usage	Type
Cn1	To CPU-1433 ▪ J7	FCI Part Number 90311-018LF Female 26-Pin (13x2), 2.54mm pitch Minitek Connector
Cn2	To ACS-9079-00 (Multi) ▪ J4	Female 10-pin (5x2), 2.54mm pitch IDC Connector
Cn3	To ACS-9079-00 (Mouse) ▪ J6	Tyco Part Number 280359 Female 4-pin (4x1), 2.54mm pitch MODU II Connector
Cn4	VGA	Female D-Sub 15-pin

Connector Pinout

Cn1 Pin #	To	Pin #	Usage
1	Cn2	7	Ground
3	Cn2	5	KBD Data
5	Cn3	4	MSE Data
7	Cn2	9	Battery In
9	Cn2	3	Reset

Cn1 Pin #	To	Pin #	Usage
2	Cn2	8	Vdd
4	Cn2	6	KBD Clock
6	Cn3	2	MSE Clock
8	Cn2	1	Speaker
10	Cn4	5 & 10	Ground

Cn1 Pin #	To	Pin #	Usage
11	Cn4	13	H Sync
13	Cn4	1	Red
15	Cn4	15	DDC1 SCL
17	Cn4	6, 7 & 8	Ground

Cn1 Pin #	To	Pin #	Usage
12	Cn4	14	V Sync
14	Cn4	2	Green
16	Cn4	12	DDC0 SDA
18	Cn4	3	Blue

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