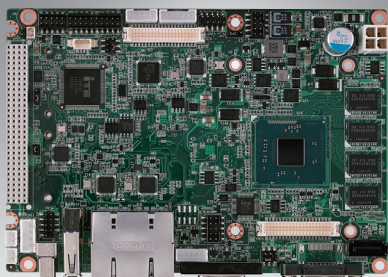


PCM-9365

**Intel® Atom™ E3825 & Celeron® N2930,
3.5" SBC, 2GB/4GB On-board Memory,
VGA, 48-bit LVDS, 2GbE, Mini PCIe,
PCI-104, iManager**

NEW



iManager susiAccess **CE FCC**

Features

- Intel® Atom™ E3825 & Celeron® N2930, DDR3L-1066/1333MHz 2GB/4GB on-board memory
- DirectX11, OpenGL3.2, OpenCL1.1, 3 independent display: VGA+LVDS/HDMI+LVDS*/Dual LVDS
- Support PCI-104 expansion
- 2 GbE, rich I/O: 4COM, SATA, USB3.0, SMBus/I²C, GPIO, full-size Mini PCIe, full-size mSATA
- Supports iManager (SUSI 4.0), SUSIAccess and Embedded Software APIs

Software APIs:



Utilities:

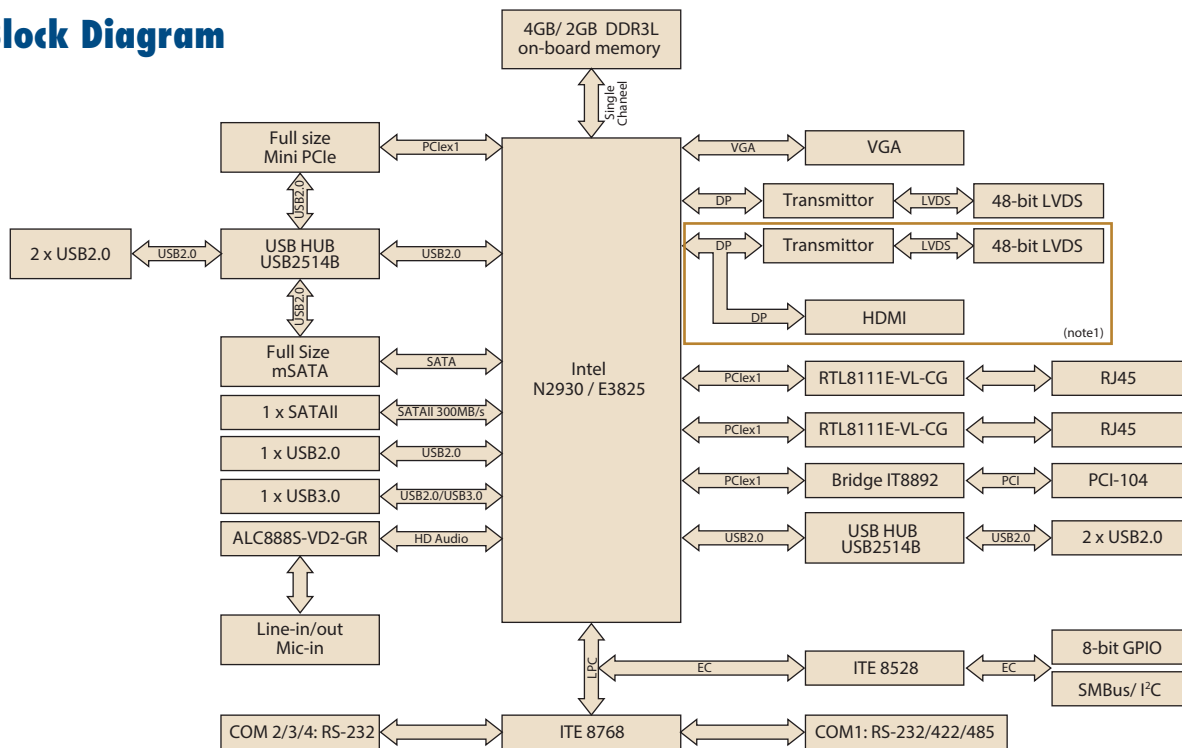


Specifications

Processor System	CPU	Intel Celeron N2930	Intel Atom E3825
	Base Frequency	1.83 GHz (Quad-Core)	1.33 GHz (Dual-Core)
	Max Turbo Frequency	2.16 GHz	-
	L2 Cache	2MB	1MB
	BIOS	AMI UEFI BIOS at 64 Mb	
Memory	Technology	DDR3L 1333 MHz	DDR3L 1066 MHz
	Max. Capacity	4 GB	
	On-board memory	Yes	
Display	Controller	Intel Gen7 graphic engine	
	Processor Graphics	DirectX11, OpenGL3.2, OpenCL1.1	
	VGA	2560 x 1600 at 60Hz	
	LVDS	48-bit dual LVDS up to WUXGA 1920 x 1200 at 60Hz, the 2nd LVDS is supported by request	
	HDMI	Supports 3.3/5/12V for VDD power, 1A@5V/12V for inverter	
	Mult-Display	HDMI 1.4a for HD video playback, 1080P at 60Hz	
Ethernet	Speed	VGA + LVDS, HDMI*+ LVDS, LVDS + LVDS*	
	Controller	10/100/1000Mbps	
	Connector	Realtek RTL8111E-VL-CG	
Audio	Codec	2 RJ45	
WatchDog Timer		Realtek ALC888S, High Definition Audio (HD), Line-in, Line out, Mic-in	
Storage	SATA	Output System reset, Programmable counter from 1 – 255 minutes/ seconds	
	mSATA	1, up to 3Gb/s (300 MB/s)	
Rear I/O	Ethernet	1 x Full-size	
	VGA	2 (10/100/1000Mbps)	
	HDMI	1	
	USB 2.0	1 (support by request)	
	USB 3.0	1	
	Serial	1	
Internal I/O	Serial	1 RS232/422/485 support auto flow control	
	USB2.0	3 RS-232 (ESD protection: Air gap ±15kV, Contact ±8kV)	
	I ² C	4	
	SMBus	1 (Shared with SMBus pin)	
	GPIO	1	
Expansion	Mini PCIe	8-bit	
	PCI-104	1 x Full-size	
Power	Power Type	PCI-104 Expansion	
	Power Supply Voltage	Single 12V DC power input	
	Power Consumption (Typical)	12V ± 10%	
	Power Consumption (Max, test in HCT)	PCM-9365E-2GS3A1E : 0.39A @ 12V (4.68W)	
	Power Management	PCM-9365EV-4GS3A1E : 0.44A @ 12V (5.28W)	
	Battery	PCM-9365N-4GS8A1E : 0.509A @ 12V (6.108W)	
		PCM-9365E-2GS3A1E : 0.49A @ 12V (5.88W)	
Environment	Operational	PCM-9365EV-4GS3A1E : 0.554A @ 12V (6.648W)	
	Non-Operational	PCM-9365N-4GS8A1E : 0.745A @ 12V (8.94W)	
Physical Characteristics	Dimensions (L x W)	Lithium 3 V / 210 mAH	
	Weight	0 – 60° C with 0.7m/s air flow (32 ~ 140° F) (Operational humidity: 40° C @ 95% RH Non-Condensing)	
	Height	-40° C ~ 85° C and 60° C @ 95% RH Non-Condensing	

* The specification is supported by request

Block Diagram



Note1: Supported by request

Ordering Information

Part No.	CPU	Onboard Memory	LVDS	VGA	GbE	Audio	RS-232/422/485	RS-232	USB 3.0	USB 2.0	SATAII	Mini PCIe	mSATA	PCI-104	Power connector	Thermal Solution*	Operating Temp.
PCM-9365E-2GS3A1E	Intel E3825 1.33GHz 6W	2GB	48-bit	Yes	2	Yes	1	3	1	5	1	Full-size	Full-size	Yes	2x2pin	Passive	0 ~ 60° C
PCM-9365EV-4GS3A1E	Intel E3825 1.33GHz 6W	4GB	48-bit	Yes	2	Yes	1	3	1	5	1	Full-size	Full-size	Yes	2x2pin	Passive	0 ~ 60° C
PCM-9365N-4GS8A1E	Intel N2930 1.83GHz 7.5W	4GB	48-bit	Yes	2	Yes	1	3	1	5	1	Full-size	Full-size	Yes	2x2pin	Passive	0 ~ 60° C
PCM-9365EZ22GS3A1E	Intel E3825 1.33GHz 6W	2GB	48-bit	Yes	2	Yes	1	3	1	5	1	Full-size	Full-size	Yes	2x2pin	Passive	-40~85° C
PCM-9365NZ24GS8A1E	Intel N2930 1.83GHz 7.5W	4GB	48-bit	Yes	2	Yes	1	3	1	5	1	Full-size	Full-size	Yes	2x2pin	Passive	-40~85° C

Note: Passive=fanless; Active=with fan

Packing List

Part No.	Description	Quantity
	PCM-9365 SBC	1
	Startup Manual	1
1701200220	RS-232 COM3/4 cable, F Cable 2*10P-2.0/D-SUB 9P(M)*2 22CM	1
1700018785	SATA 35cm power cable	1
1700019414	RS-232 COM2 Cable D-SUB 9P(M)/2*5P-2.0 30cm	1
1700018730	USB Cable 2*5P-2.0/USB-A(F)*2 25CM F/9	2
1700008941	M Cable SATA 7P/SATA 7P 32CM C=R 180/180D W/Lock	1
1700019584	Audio Cable 2*5P-2.0/JACK*3 20cm	1
9689000002	mini Jumper pack	1
1960067897T001	Heatsink for PCM-9365 (131.24 x 69.21 x 19.5 mm)	1
1960067897T011	Heatsink for PCM-9365Z&Z2 series only (131.24 x 69.21 x 19.5 mm)	1

Rear I/O View



Optional Accessories

Part No.	Description
1960070254T001	Heat spreader
1653130421	PCI-104 connector 120-pin (Long pin)

Embedded OS/API

Embedded OS/API	Part No.	Description
WES8	TBD	
WES7	2070013531	WES7E PCM-9365 X64 V5.6.8 Eng
WEC7	TBD	
Linux		Kernel 3.x
VxWorks		6.9.3.3
Android		Kit Kat 4.4
Software API		iManager (SUSI 4.0)