

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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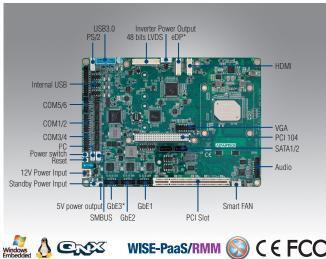






PCM-9563

Intel® Pentium N4200 Celeron N3350 & Atom™E3950/E3940/E3930 EBX with VGA/LVDS/HDMI*, 3 GbE, 8 USB, 1 SATA, Audio, 1 Mini PCle, 1 M.2 E kay, 1 m.SATA, 6 COMs



Features

- Embedded Intel® Pentium N4200 & Celeron N3350, Atom™E3950, E3940, E3930,DDR3L 1867 MHz, up to 8GB
- DirectX11, OpenGL3.2, OpenCL1.2, multi-display: VGA+LVDS/eDP+ HDMI*/ DP*
- Supports up to 3 Intel GbE, 6 COM, 1 Mini PCIe, 1 M.2 E-key, 1 mSATA, PCI-104 and 1 PCI Slot
- High transfer speed COM port design (Transfer rate up to 1 Mbit/s)
- Design complies with CE/FCC
- Supports iManager, WISE-Paas/RMM, Embedded Software APIs















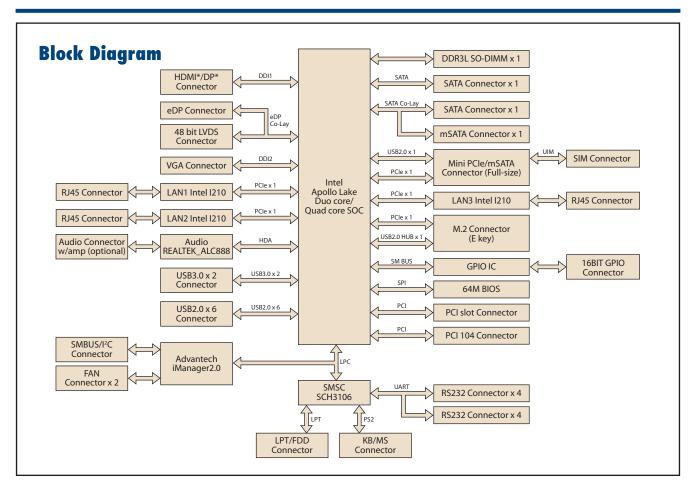


WISE-PaaS/RMM (S) C E FCC

Specifications

1.2 Cache 2006	•		
Core		CPU	Intel Pentium N4200 Celeron N3350 & Atom™E3950/E3940/E3930
Present System Pres			
1 Cache 10 Cache	Processor System		
BISS			
Rectroclapy DDRSL_1867-NE* MacCapacity 8 GB Servet 1.20 pin SODMAN A Capacity 8 GB Servet 1.20 pin SODMAN A Capacity 8 GB Servet 1.20 pin SODMAN A Capacity Servet 1.20 pin SODMAN A Capacity Servet 1.20 pin SODMAN A Capacity Servet Servet Servet Servet Servet A Capacity Servet Servet Servet Servet Servet A Capacity Servet Servet Servet Servet Servet Servet Servet A Capacity Servet Se			
Marco Marco Marco Scored 1.20 Ag ins SODIMM			
VRAM			
VIEAM Optimized Stress Memory Architectures pin 1224 M8	Memory	Max. Capacity	
Graphics Engine Gene-Now Power' 16 Eccentation Units-Set Codes Decode & Encode for HEVC4, H 264, VP8, SVC, MVC		Socket	
HOM		VRAM	Optimized Shared Memory Architecture up to 224 MB
Part 124 1920 1200 6014		Graphics Engine	Gen-9Low Power; 18 Execution Units54K Codec Decode& Encode for HEVC4, H.264, VP8, SVC, MVC
Applied P		HDMI	1.4b(1920x1200@30Hz)
A 1 1 1 1 1 1 1 1 1	D: 1	DP	1.2a (1920x1200@60Hz)
LVDS	Display	eDP	
VGA Maximum Resolution up to 1920 x 1200 Matif Display VGA LVDS.APP 1-100 (P)P* Interface Up to 3 (the 5th GER by request) Interface Controller Box header Connector Box header Watif O Chipset ALCB88 HID Codes, Speaker out, CD-input, Line-in, Line-out, Mic-in Max 2 (Wich Stereo into a 30 2 Load Max 2 (Wich Stereo into a 30 2 Load Matif Dog Timer Watif O Chipset Max 3 (Load Value Load Load Matif Dog Timer Watif O Chipset Max 3 (Load Value Load Load Matif Dog Timer Watif O Chipset Matif Dog Timer Watif O Chipset Matif Dog Timer Watif O Chipset Matif Dog Timer Load Matif Do			
Multi Display VGA_L (VGS_EDP*+1DMI*/DP* Interface Up to 3 tithe soft Bod by request) Up to 3 tithe soft Bod by request Up to 3 tithe soft Bod			
Interface			
Controller Intel 12 Decimient			
Connector Box header Chipset AL Cass H PL Octee, Speaker out, CD-input, Line-int, Line-out, Mic-in Augustion Augustion Augustion AL Cass H PL Octee, Speaker out, CD-input, Line-int, Line-out, Mic-in Augustion Augus	Ethornot		
Audio Amiliare	EHIEHIEL		
MarchDog Timer			
VachDog Timer Output System reset WatchDog Timer molineral WatchDog Timer WatchDog Ti	Audio		
Internal Internal Machindog timer. monitor the system status before QS is ready (programmable 10ms, disable, 1s, 60s) mcSATA 1 x full size mcSATA 1 x full size mcSATA 2° SATABII (Max. Data Transfer Rale up to 6.0 Gb/s) SPI Flash CA Mohit PF (Optional) SPI Flash CA Mohit PF (Optional) SPI Flash CA Mohit PF (Optional) SPI Flash CA Mohit			
Internal Watchdop Limer: monitor the system status before Us is ready (programmable Tums, disable, 1s, buls)	WatchDog Timer		
Solvage SATA 2" SATAIII (Max Data Transfer Rate up to 6.0 Gb/s)	Traton Bog Timor		
Floppy Share with LPT (Optional)			
Fide	Ctorago	SATA	2* SATAIII (Max. Data Transfer Rate up to 6.0 Gb/s)
HDMI (Support by request)	Sitrage	Floppy	Share with LPT (Optional)
DP		SPI Flash	64 Mbit
LVDS		HDMI	(Support by request)
LVDS		DP	(Support by request)
Serial 4 x B-232 (Transfer rate up to 1 Mbil/s)		LVDS	
Ethenet			4 x RS-232 (Transfer rate un to 1 Mhit/s)
PS/2 KB/Mouse		Serial	2 x RS-422/485
PS/Z KB/Mouse		Ethernet	Up to 3 GbE (the 3th GbE by request)
VGA		PS/2 KB/Mouse	1
EBP (Support by request)	Internal I/O		
Reset Button	internal i/O		(Support by request)
USB			
Parallel (LPT)			
GPIO			
SMBUS 1 PC			•
PC			
PCI-104			
Full-size Mini PCle with SIM card holder 1 PCI Slot 1 M2 E key 1 Power Type AT / ATX (Both AT/ATX can support ACPI) ATX: 12V ±10%, 5VSB ±5% AT: 12V ±10% only Power Supply Voltage ATX: 12V ±10% only Power Consumption (Typical) PCM-9563N-S2A1E with N4200: 0.44 @ 12V (5.28W) POwer Consumption (Max, test in HCT) PCM-9563N-S2A1E: 1.32 @ 12V (15.84W) Power Consumption (Max, test in HCT) PCM-9563N-S1A1E: 1.36 @ 12V (15.84W) PCM-9563N-S1A1E: 1.36 @ 12V (16.32W) PCM-9563N-S1A1E: 1.36 @ 12V (16.32			
PCI Slot			1
M.2 E key 1			1
M. 2 E key 1	Expansion		1
Power Type		mSATA	1
Power Supply Voltage		M.2 E key	1
Power Supply Voltage		Power Type	AT / ATX (Both AT/ATX can support ACPI)
Power Consumption (Typical) PCM-9563N-S2A1E with N4200: 0.44 @ 12V (5.28W)	Power		ATX: 12V ±10%, 5VSB ±5%
Power Consumption (Max, test in HCT)		Power Consumption (Typical)	PCM-9563N-S2A1E with N4200: 0.44 @ 12V (5.28W)
Environment Operating 0 - 60° C (32 - 140° F) (Operating humidity: 40° C @ 95% RH non-condensing) Non-Operating -40° C - 85° C and 60° C @ 95% RH non-condensing Dimensions (L x W) 203 x 146 mm (8" x 5.75") Physical Characteristics Weight 0.7 kg (1.54 lb) (with heatsink)		Power Consumption (Max, test in HCT)	PCM-9563N-S2A1E: 1.32 @ 12V (15.84W)
Non-Operating		Operating	
Dimensions (L x W) 203 x 146 mm (8" x 5.75")	Environment		
Physical Characteristics Weight 0.7 kg (1.54 lb) (with healsink)			
	Physical Characteristics		
Total Traight (With Goods + FOD + Dolloth) 23thill	r nysitai OnaiauteiiStitS		
		iotal nelgiit (With cooler + PGB + BOTTOM)	2911111

^{*}It will not be supported in default, please contact to Advantech if this function is needed.



Ordering Information

Model Name	СРИ	Memory	VGA	LVDS	HDMI*	DP*	eDP*	GbE 1	SATAIII	mSATA	HD Audio	RS- 422/485	RS-232	USB3.0	USB2.0	miniPCle	M.2 E key	PCI-104
PCM-9563N-S1A1E	Intel Celeron N3350	SODIMM	1	1	-	-	-	2	1	1	٧	2	4	2	6	1	1	Yes
PCM-9563NF-S2A1E	Intel Pentium N4200	SODIMM	1	1	-	-	-	3	2	-	٧	2	4	2	6	1	1	Yes
PCM-9563NF-S1A1E	Intel Celeron N3350	SODIMM	1	1	-	-	-	3	2	-	٧	2	4	2	6	1	1	Yes

^{*} Support by request

Packing List

Part No.	Description	Quantity
	PCM-9563 SBC	1
9689000002	Mini Jumper Pack	1
2006956300	Startup Manual	1
1960074974N001	Heatsink for PCM-9563	1

Optional Accessories

Part No.	Description
PCM-10586-9563	Wiring kit for PCM-9563
1703100260	USB cable
170304015K	AT cable 4P x 2/4200-H-4P 15 cm
TBD	Heatspreader

Embedded OS/API

Embedded OS/API	Part No.	Description
Win 10	2070015275	Win10 64 bit
QNX		
VxWorks		
Linux		
Software API	TBD	