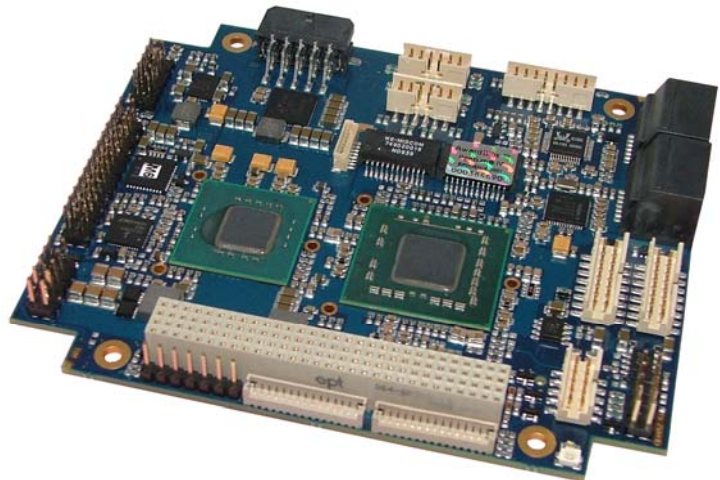




### ADLGS45PC - Intel® Core™ 2 Duo / Celeron® M 1.20GHz - 2.26GHz

#### Features

- Intel® Celeron® M / Core™ 2 Duo (SFF)
- Intel® GS45 / ICH9M-E Chipset
- Up to 4GB DDR3-1066MHz DRAM
- 2x 10/100/1000Mbit LAN Controllers
- CRT / LVDS Interface Onboard
- 4x SATA 3Gb/s with RAID Support
- 8x USB 2.0 Ports
- COM1, COM2, LPT1
- SM Bus Interface
- RTC and Watchdog Timer
- 8 Channel High Definition Audio
- Hardware Monitoring
- PCI/104-Express v1.0



#### Ordering Information

Item Codes	Part#	Description
ADLGS45PC-722	292422	PCI/104-Exp, Cel. M 1.20GHz ULV 1MB Cache
ADLGS45PC-SU9300	292439	PCI/104-Exp, SU9300 1.20GHz, 3MB Cache C2D
ADLGS45PC-SL9400	292449	PCI/104-Exp, SL9400 1.86GHz 6MB Cache C2D
ADLGS45PC-SP9300	292493	PCI/104-Exp, SP9300 2.26GHz 6MB Cache C2D
<b>Cooling Options</b>		
ADLGS45PC-SPREADER	292406	.6" Heat Spreader
ADLGS45-1"	292410	1" Heat Spreader
ADLGS45PC-FANSINK	272413	Active Heat Sink Set ADLGS45PC
<b>Standard DDR3-RAM</b>		
DDR3-DRAM1024-S	997025	GS45 DDR3 1GB 1066MHz 204pin
DDR3-DRAM2048-S	997125	GS45 DDR3 2GB 1066MHz 204pin
DDR3-DRAM4096-S	997345	DDR3 4GB 1066MHz 204pin
<b>Ext. Temp. DDR3-RAM</b>		
DDR3-DRAM1024-EX	997027	GS45 DDR3 1GB 1066MHz 204pin, -40°C - +85°C
DDR3-DRAM2048-EX	997127	GS45 DDR3 2GB 1066MHz 204pin, -40°C - +85°C
DDR3-DRAM4096-EX	997347	DDR3 4GB 1066MHz 204pin, -40°C - +85°C

\*More options may be available, please contact our Sales office \*

#### Description

The ADLGS45PC is based on the Intel® Core™ 2 Duo / Celeron® M Small Form Factor (SFF) processors and the Intel® GS45 Express (Cantiga™) chipset. Built on the 45nm process, the ADLGS45PC sets a superior performance standard in an embedded PCI/104-Express form factor. The Intel® Core™ 2 Duo SFF and Celeron® M SFF processors guarantee the benefits of genuine Intel® architecture to small form factor and thermally constrained markets. The Intel® GS45 Express GMCH coupled with the Intel® ICH9M-E I/O controller hub offers an impressive list of high performance features that makes full-size board makers nervous.

The ADLGS45PC takes advantage of these features by delivering high performance and low thermals in a compact form factor. The Intel® graphics controller drives a CRT to 2048x1536 and/or 18/24/36/48 bit LVDS LCD to 1600x1200 resolution. Memory is added via an SO-DIMM204 socket that will accept up to 4GB of DDR3-1066 DRAM. In addition to ACPI/APM functions, the ADLGS45PC has the following features: 8x USB 2.0, 2x RS232/422/485 COM ports, PS/2 Keyboard and Mouse, LPT, HD Audio, and 2x 10/100/1000Mbit LAN. The ADLGS45PC also comes equipped with 4 SATA 3Gb/s ports with RAID 0/1/5/10 support.

ADL Embedded Solutions offers highly effective active and passive thermal solutions designed for this product. Contact your sales representative for more information.

Data subject to change without notice



### Technical Specifications

FEATURE	FUNCTION	REMARKS	OPTIONS
Processor/CPU:	Intel® Celeron M SFF / Core™ 2 Duo SFF		Celeron M - 722 ULV Core™ 2 Duo - SU9300 / SL9400 / SP9300
L2-Cache:	1MB /3MB /6MB		Celeron M: 722 ULV-1MB Core™ 2 Duo: SU9300-3MB / SL9400/SP9300-6MB
Front Side Bus:	800/1066 MHz	CPU dependent	Celeron® M and SU9300 - 800MHz FSB
CPU-Clock:	1.20GHz — 2.26GHz		
Memory 204pin DDR3 SODIMM:	1GB – 4GB		
Video Controller:	Intel® GS45 integrated	Intel® Gen 5.0 integrated graphics engine	
Video Memory:	Max 8MB UMA / Max 256MB DVMT		
Video Interfaces:	VGA-Analog CRT, LVDS	Dual Independent display	
Video Channel 1:	2048 x 1536@60Hz		
Video Channel 2:	1600 x 1200 LVDS		
Real Time Clock:	Yes	External Battery Required for RTC	
LAN-Controller:	ICH9M-E / 567 Phy and Intel® 82574L	10/100/1000Mb	
AC97-Controller:	Intel® ICH9M-E	ALC889 Codec - Intel® HDA (8-ch.)	
SMBus-Controller:	Intel® ICH9M-E		
USB2-Controller:	8x USB 2.0 compliant		
Flash BIOS:	SPI-Flash		
BIOS:	Phoenix Award		
Power Management Control:	ACPI 3.0 / APM 1.2	S-States: S0, S1, S4, S5	
SATA Controller:	Intel® ICH9M-E - 6 ports	4 Ports SATA 3Gb/s with RAID	
SATA RAID:	Intel® ICH9M-E Levels 0/1/5/10	SATA RAID Levels 5 and 10 require Intel Storage Matrix support	
Hardware Monitor:	Winbond W83627HG		
Audio Output:	Line Out, SPDIF Out	7.1 Support	
Audio Input:	Line In, SPDIF In, MIC		
Keyboard:	PS/2-USB		
Mouse:	PS/2-USB		
COM1:	RS232		Optional RS422/485
COM2:	RS232		Optional RS422/485
LPT1:	Uni/ECP/EPP/FDC	Shared with Floppy Controller	
Floppy Disk:	Shared with LPT1		
ISA-Bus:	--		
PCI-Bus:	PC/104-Plus V2.0	Support For 4 Masters	
PCI Express Bus	PCI/104-Express V1.0	4 x1 Lanes, 1 x16 Lane (PEG)	
Power Supply:	+5V, +12V, +5V Suspend ±5%		
Power Consumption (Typical):	722 - 12.6W      SL9400 - 13.5W SU9300 - 12.6W    SP9300 - 18.3W	With approved Radiative cooling solution	
Operating Temperature: (ambient)	-25° to 70° C	With approved thermal solution	Extended Temp. -40 to +85° C
Dimensions:	4.5" x 3.8" (115mm x 96mm)		

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