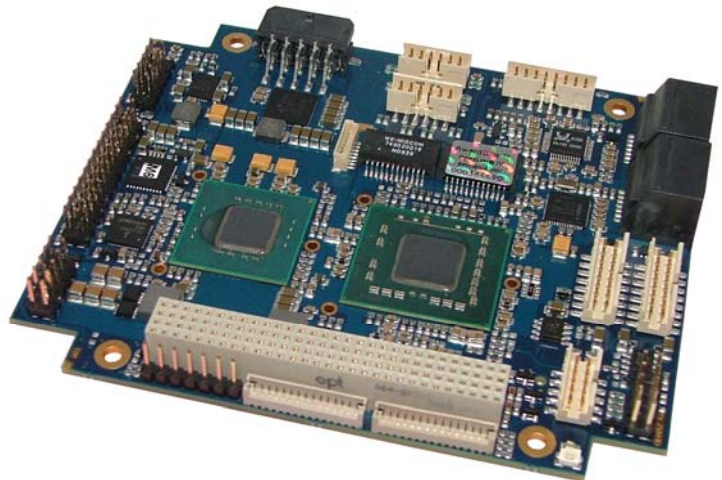




ADLGS45PC - Intel® Core™ 2 Duo / Celeron® M 1.20GHz - 2.26GHz

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 USB2.0 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
Cooling Options		
ADLGS45PC-SPREADER	292406	.6" Heat Spreader
ADLGS45-1"	292410	1" Heat Spreader
ADLGS45PC-FANSINK	272413	Active Heat Sink Set ADLGS45PC
Standard DDR3-RAM		
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
Ext. Temp. DDR3-RAM		
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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