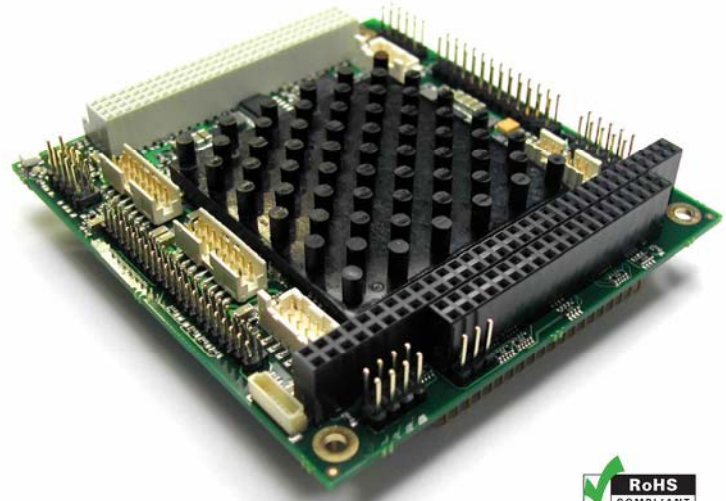




ADLS15PC - Intel Atom CPU 1.1GHz - 1.60GHz

Features

- Intel® Atom™
- 1.1GHz - 1.60GHz
- Intel® SCH US15W Chipset
- Power Management
- Up to 2GB DDR2-DRAM
- CRT / LVDS Interface Onboard
- 10/100/1000 Base-T Ethernet
- 8x USB2.0 Ports
- PATA Storage Interface
- COM1, COM2, LPT1
- SM Bus Interface
- RTC and Watchdog Timer
- High Definition Audio
- Up To 8GB Onboard SSD
- PC/104-Plus embedded form factor
- +5V Single Rail Power Supply



Ordering Information

Item Codes	Part#	Description
ADLS15PC-110	292310	PC104/Plus Atom 1.1GHz 0GB SSD
ADLS15PC-112	292312	PC104/Plus Atom 1.1GHz 2GB SSD
ADLS15PC-114	292314	PC104/Plus Atom 1.1GHz 4GB SSD
ADLS15PC-160	292360	PC104/Plus Atom 1.60GHz 0GB SSD
ADLS15PC-162	292362	PC104/Plus Atom 1.60GHz 2GB SSD
ADLS15PC-164	292364	PC104/Plus Atom 1.60GHz 4GB SSD
ADLS15PC-168	292368	PC104/Plus Atom 1.60GHz 8GB SSD
Thermal Solutions		
ADLS15PC-SPREADER	292061	.6" Heat Spreader for chassis mounting
ADLS15PC-FANSINK	292063	Active Heat Sink Set ADLS15PC
ADLS15PC-PASSIVELP	292062	Passive low profile heatsink
ADLS15PC-1"	292064	1" Heat Spreader for chassis mounting
Standard DDR2-RAM		
DDR2-DRAM512-6SM	996925	915/945DDR2 512MB 667MHz 200pin
DDR2-DRAM1024-6SM	996025	915/945DDR2 1GB 667MHz 200pin
DDR2-DRAM2048-6SM	996125	915/945DDR2 2GB 667MHz 200pin
DDR2-RAM Ext. Temp		
DDR2-DRAM512-EX	996927	915/945DDR2 512MB 667MHz 200pin -40°C - +85°C
DDR2-DRAM1024-EX	996027	915/945DDR2 1GB 667MHz 200pin -40°C - +85°C
DDR2-DRAM2048-EX	996127	915/945DDR2 2GB 667MHz 200pin -40°C - +85°C

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

Description

The ADLS15PC PC/104-Plus is based on the Intel® Atom™ and the Intel® US15W (Poulsbo™) chipset. The Intel® Atom™ is a single core processor built on a 45nm process that boasts an impressive 2.64 watts TDP. The Intel® Atom™ delivers the benefits of genuine Intel® architecture to small form factor and thermally constrained markets. The Intel® US15W System Controller Hub (SCH) incorporates all functions of legacy GMCH and ICH architectures into a single die.

The ADLS15PC takes advantage of these features by delivering high performance and low thermals in a compact PC/104-Plus form factor. The Intel® graphics controller drives a CRT to 1600x1200@60Hz and/or 18/24 bit LVDS LCD. Memory is added via an SODIMM200 socket that will accept up to 2GB of DDR2-400/533 DRAM. In addition to ACPI/APM functions, EIDE, 8xUSB 2.0, 2xRS232 COM ports, PS/2 Keyboard and Mouse, LPT, AC97 Sound, 10/100/1000Mbit LAN and more, the ADLS15PC also comes equipped with up to 8GB onboard SSD.

ADL offers very 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® Atom™ Z5XX		
L2-Cache:	512KB		
Front Side Bus:	400/533 MHz	CPU dependent	
CPU-Clock:	1.1GHz —1.60GHz		
Memory 200pin DDR2 SODIMM:	512MB – 2GB	256MB on request	
Video Controller:	Intel® US15W SCH integrated	Intel® GMA 500	
Video Memory:	Max 8MB UMA / Max 256MB DVMT		
Video Interfaces:	VGA-Analog CRT, LVDS	Dual Independent display	
Video Channel 1:	1600 x 1200@60Hz		
Video Channel 2:	1600 x 1200@60Hz		
Real Time Clock:	Yes	External Battery Required for RTC	
LAN-Controller:	Intel® 82574L	10/100/1000Mb	
AC97-Controller:	Intel® US15W SCH	ALC885 Codec - Intel® HDA	
SMBus-Controller:	Intel® US15W SCH		
USB2-Controller:	8x USB 2.0 compliant	6 of 8 ports also USB 1.1 Compliant. 1 port may be configured as a "device"	
Flash BIOS:	1MB FW Hub		
BIOS:	Award		
Power Management Control:	ACPI 3.0 / APM 1.2	Suspend To Disc supported	
EIDE-Controller:	PIO 0-4, UDMA 100*/66*/33, Multi-word DMA (ATA-5)	Primary Master/Slave	*requires 80 conductor cable
Onboard Flash SSD:	Up to 8GB		2GB / 4GB / 8GB
HW-Monitor:	Winbond W83627HF		
Audio Output:	Line Out, SPDIF Out	5.1 Support	
Audio Input:	Line In, SPDIF In, MIC		
Keyboard:	PS/2-USB		
Mouse:	PS/2-USB		
COM1:	RS232		Optional RS-422/485
COM2:	RS232		Optional RS-422/485
LPT1:	Uni/EPP/BI		
Floppy Disk:	No floppy disk support		
ISA-Bus:	Fintek F85226F	LPC-ISA-Bridge, full 16-bit, No DMA	
PCI-Bus:	V3.0	Support For 4 Masters	
Power Supply:	+5V ±5%	ADL PS104CF possible	
Power consumption:	Z510 / 2GB / Active: 1.54A @ +5VDC, typical* Z510 / 2GB / Passive: 1.56A @ +5VDC, typical* Z530 / 2GB / Active: 1.78A @ +5VDC, typical* Z530 / 2GB / Passive: 1.80A @ +5VDC, typical*	[processor] / [memory] / [cooling type] *Typical numbers are based on a standard configuration and are for reference only. Actual values may vary based on application, operating system, peripherals and memory. Please contact Sales with questions.	
Operating Temperature: (typ. ambient)	-25°C - +70°C *Extended Temp -optional		Provided CPU is kept below 90°C at all times and the installation has sufficient thermal path to dissipate
MTBF:	>219,000 Hours	Calculation method: MIL-HDBK-217F	
Dimensions:	96mm x 90mm		
Weight: (gr)	86 g		

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