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AIMB-552

RoHS

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Socket 478 Intel® Pentium® M/Celeron® M Processor based MicroATX with DDR2/ 10 COM/
Dual LAN



Datasheet (PDF)

Manual/ Driver/ BIOS/ FAQ

Software API/Utility

Introduction

These industrial MicroATX motherboards are only 244 x 244 mm and are ideal for space/cost sensitive applications where less than 4 slots are required. They enable the same high integration of full-sized ATX motherboards but with smaller footprint that fills the gap between Mini-ITX and full-sized ATX with balanced performance and expandability.

Specifications				
Part Number		AIMB-552G2-00A1E	AIMB-552G2-M0A1E	AIMB-552VG-00A1E
Processor	Chipset	Intel® 915GME/ICH6M	Intel® 910GMLE/ICH6M	Intel® 915GME/ICH6M
	CPU Type	Pentium® M Celeron® M	Celeron M 600 MHz	Pentium® M Celeron® M
	Max Speed	2.0GHz	2.0GHz	2.0GHz
Memory	(Max)	2GB DDR2	2GB DDR2	2GB DDR2
Display	Type	VGA, LVDS, DVI	VGA LVDS	VGA LVDS
I/O	COM	10 x RS-232 (COM2:RS-232/422/485)	10 x RS-232 (COM2:RS-232/422/485)	6 x RS-232 (COM2:RS-232/422/485)
	USB	8 (2.0)	8 (2.0)	8 (2.0)
Expansion Supported	32-bit PCI	3	3	3
	AGP	0	0	0
	ISA	0	0	0
	Mini PCI	0	0	0
	PCIE x1	0	0	0
	PCIE x16	0	0	0
Network	LAN	2 GbE	2 GbE	GbE

Ordering Information	
Part Number	Description
AIMB-552G2-00A1E	RoHS P-M/mATX/FSB 533/VGA/DVI/10COMDual GbE,RoH
AIMB-552G2-M0A1E	RoHS C-M/mATX/FSB 400/VGA/LVDS/10COMdual GbE,RoHS
AIMB-552G2-S0A1E	RoHS C-M/mATX/FSB 400/VGA/LVDS/10COMDual GbE,RoHs
AIMB-552VG-00A1E	RoHS P-M/mATX/FSB 533/VGA/LVDS/6COMSingle GbE,RoH

Accessory	
Part Number	Description
1700000821	A Cable DVI-24P(F)/2*10P-1.25 20CM W/BKT
1700002204	A Cable 2*5P-2.54 /USB-A(F)*2 27CM F/9B
1700003195	A Cable 2*5P-2.54/USB-A(F)*2 17CM W/BKT

Contact Information		
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Reliable Security
Functions

■ First Atom-based
Samples to Customers

■ Manufacturing Must be
Service-Driven

■ Advantech
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Solution Kit Training
Program

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EraEmbedded Core
Services

■ Innovative Applications in
Embedded Storage
Technology

■ Wear Leveling
Implementation on
SQFlash

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Flash Technologies and
Structure

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Intel Xeon Processor
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