

AGS-1000 Series

Intel Celeron J1900, Atom N2800/D2550
Fanless Mini-ITX System with VGA/HDMI
LAN, 2SATAII, 6/4/2COM, 6USB, DC-IN



Features

- Supports Intel latest Bay-Trail Quad-Core Celeron 2.0GHz J1900 CPU and Intel Dual-Core Atom N2800/D2550 1.86GHz CPU. Top cover is with ventilation holes for fanless thermal solution
- Supports VESA Mount 75/100 and wall mount by option kits
- Dual independent display VGA/HDMI, single LAN
- System switch, power LED, HDD LED, 2USB on front bezel
- Option COM1/COM2 on front bezel
- 6USB(4 x USB on rear I/O, 2 x USB on front bezel)
- Supports 2 x SATA2 and optional mSATA
- DC 9-19V Input (Option DC12V 50W adapter)
- 0°C ~ 60°C harsh operation environment

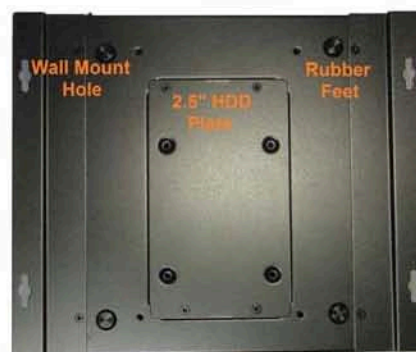
Specifications

Processor System	CPU	AGS-1190	AGS-1280	AGS-1255
	Max. Speed(Core)	2.0GHz(Quad core)	1.86GHz(Dual core)	1.86GHz(Dual core)
	L2 Cache	2MB	1MB	1MB
	CPU/Chipset	Celeron J1900	Atom N2800/NM10	Atom D2550/NM10
	BIOS	AMI 16Mb AMI UEFI with GUI support		
Expansion Slot	Mini-PCIe	1 x half-size	1 x half-size	1 x half-size
	CF Card Socket	N/A	N/A	N/A
	mSATA	1 x full-size	1 x full-size	1 x full-size
Memory	Specification (SO-DIMM)	2 x DDR3-1600	2 x DDR3-800/1066	2 x DDR3-800/1066
	Max. Capacity	16 GB	4 GB	4 GB
Graphics	VGA / HDMI	1xVGA/HDMI(1920x1200)		
	LVDS	1x Dual-channel 24-bit		
	Dual Display	VGA / HDMI		
Ethernet	Interface Controller	Realtek RTL8111E-VL	Intel 82574L	Realtek RTL8111E
	Connector	RJ45		
SATA	Max Data Transfer Rate	300 MB/s	300 MB/s	300 MB/s
	SATA2	2 x SATA2	2 x SATA2	2 x SATA2
System Rear I/O	VGA	1 x DB-15		
	HDMI	1 x HDMI		
	Ethernet	1 x RJ45		
	USB	2 x USB 3.0, 4 x USB 2.0	6 x USB 2.0 Type-A	6 x USB 2.0 Type-A
	Audio	1 x Audio ports (Mic-in, Line-out)		
	Serial COM1 (Option)	1 x DB-9 (RS-232/422/485)	1 x DB-9 (RS-232)	1 x DB-9 (RS-232/422/485)
	Serial COM2 (Option)	1 x DB-9 (RS-232)	1 x DB-9 (RS-232)	1 x DB-9 (RS-232)
	Serial COM3-6	COM3-6 by request	N/A	COM3-4 by request
	System Power Input	1 x DC-Jack, 9-19Vdc Input		
Option by D-SUB On front bezel	Option COM1/COM2	Option 2 x DB-9 Male		
	Option COM 3/COM6	4 x RS-232(COM3-6)	N/A	2 x RS-232(COM3-4)
	GPIO	1 x 2.54 PH for 8-bit GPIO	1 x 2.0 BH for 4-bit GPIO	1 x 2.54 PH for 8-bit GPIO
System Front Bezel	Power-On Button	1x Moment button switch to turn-on system		
	System Power LED	1x LED for system power status		
	HDD LED	1x LED for SATA HDD data access status		
	USB	2 x USB 2.0 type A for front access		
	Option serial COM	Option 2 x DB-9 Male connector		
Operation System	Windows XP, XP 64bit	N/A	Windows XP	Windows XP
	Win 7, Win 7 64bit	N/A before Q1/2014	Windows 7	Windows 7
	Win 8, Win 8 64bit	Win 8, Win 8 64bit	N/A	N/A
Watchdog Timer	Output and Interval	System reset, programmable 1 ~ 255 sec/min; 1 sec. or 1min. /step		
Power Requirement	DC Input	9-19Vdc input (option DC12V 50W adapter)		
Environment	Temperature	Operating	None-operating	
		0 ~ 60℃ (32 ~ 140°F)	-40 ~ 85℃ (-40 ~ 185°F)	
Physical Size	Dimensions	200mm(W) x 200mm(D) x 40mm(H)		
Packing Size	Dimensions			

Dimensions Outlook



Supports VESA Mount 75/100, Wall Mount, 2.5" HDD Plate



Ordering Information

Part Number	CPU	Chip	VGA	HDMI	GbE	USB 3.0	USB 2.0	COM1(option)	COM2(option)	Power Input
AGS-1190-M0-00	Celeron 2.0 J1900		1	1	1	2	4	RS-232/422/485	RS-232	DC Input
AGS-1280-M0-00	N2800	NM10	1	1	1	0	6	RS-232	RS-232	DC Input
AGS-1255-M0-00	D2550	NM10	1	1	1	0	6	RS-232/422/485	RS-232	DC Input

Optional Items

Part Number	Description
AGS-1000-WVM-BK	AGS-1000 Chassis VESA Mount 75/100 & Wall Mount Bracket Kits, Black, with Screws
AIS-N28-WM-BK	AIS Chassis Wall Mount Bracket Kits, Black, with Screws
AGS-1000-COM	COM cable with 2x5,10-pin 2.54 pitch pin header connector and D-SUB9 male connector
AGS-COM-140	COM cable with 2x5,10-pin 2.0 pitch box connector and D-SUB9 male connector
AGS-COM-40E	COM cable with 2x5,10-pin 2.54 pitch pin box connector and D-SUB9 male connector
SODIMM-DDR3-2GB	204-Pin SODIMM DDR3-1333, 2GB
SA2-HDD-320	2.5" SATA2 HDD Toshiba AMQ01A BF032, 320GB
AIS-DBAE1-50W-DJ	AC-DV 12V 50W A dapter, 90V-264Vac input by C14 socket, DC 12V@4.16A output with DC Jack connector