

# AIS-N2800

Intel Atom N2800 CPU Fanless Box PC  
VGA, HDMI, 1 LAN, 2-6 COM, 8 USB  
eSATA, m-SATA, mini-PCle, DC-IN



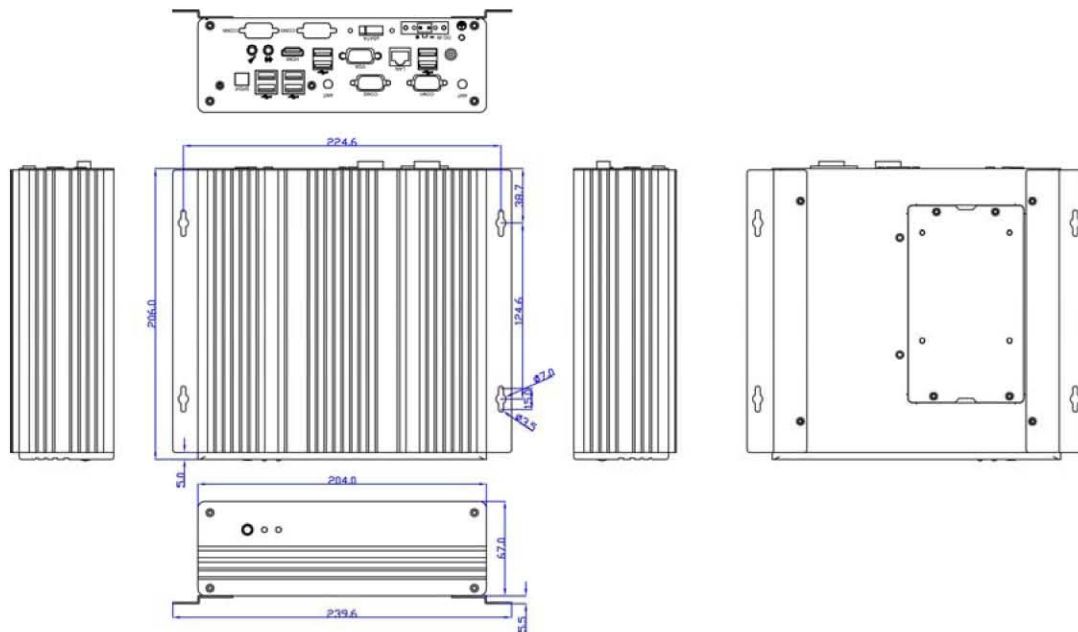
## Features

- Intel Atom N2800 1.8GHz fan less CPU, NM10 Chipset
- Rich display interfaces with VGA and HDMI
- System switch, POWER LED, HDD LED on front bezel
- Dual COM ports by RS-232 (up to 6COM by option)
- Single LAN, 2 SATAII, 8 USB 2.0, Audio-out, Mic-in
- eSATA, m-SATA, mini-PCle are optional
- Easy maintenance with one 2.5" HDD plate space
- 9-19V DC input (option DC 12V 50W adapter)
- -20°C ~ 60°C harsh operation environment
- ODM inquiries on front bezel, rear I/O are welcome

## Specifications

AIS-2000 Series Key Features		AIS-N2800-C2-M2-00	AIS-N2800-C2-M4-00	AIS-N2800-C6-M2-SD32
Processor System	CPU	Atom N2800 1.8GHz		
	L2 Cache	1MB		
	Chipset	Intel NM10		
	BIOS	AMI 16Mb SPI		
Expansion Slot	Mini-PCle	1 x half-size		
	Mini-SATA	1 x full-size		
Memory	Specification (SO-DIMM)	2 x DDR3-800/1066		
	System Memory Capacity	2GB Memory ( SO-DIMM)	4 GB Memory (SO-DIMM)	2GB Memory ( SO-DIMM)
Graphics	VGA	1 x VGA(1920x1200)		
	HDMI	1 x HDMI(1920x1200)		
Ethernet	Gigabit Controller	Intel LAN 82574L		
	Connector	1 x RJ45		
SATA	SATA II_1	W/O HDD(option)	W/O HDD(option)	2.5" SSD 32GB
	SATA II_2	Default is for e-SATA on rear I/O		N/A
System Rear I/O	VGA	1 x DB-15		
	HDMI	1 x HDMI		
	Ethernet	1 x RJ45		
	USB Type-A	8 x USB 2.0		
	Audio	1 x Audio ports (Mic-in, Line-out)		
	Serial COM1/COM2	2 x DB-9 RS-232	2 x DB-9 RS-232	6 x DB-9 RS-232(ODM)*
	SPDIF	1 x SPDIF		
	System Power Input	1 x 2-Pin terminal block		
System Storage	HDD Driver Bay	1 x HDD plate space for one 2.5" HDD		
Optional Features on Rear I/O	GPIO	4 x GPI + 4 x GPO by ODM inquiry		
	LPT	1 x LPT1 by ODM inquiry		
	COM3-COM6	2 x DB-9 RS-232 or 4* x DB-9 RS-232 by ODM inquiry(Occupied e-SATA space)		
	DC Input connector	Option by ODM inquiry(Default is 2P terminal block for DC input)		
	VGA2	1 x 2x5-pin 2.0 pitch box header by ODM inquiry		
	SATA	1 x eSATA interface on rear I/O by option eSATA cable		
	HD-AUDIO	Option by ODM inquiry		
System Front Bezel	Power Switch	1x Power soft switch to turn-on and turn-off system		
	Power LED	1x LED for system power status		
	HDD LED	1x LED for HDD data access status		
	Front Bezel	ODM bezel, artwork, logo design		
System Power	DC 9 ~ 19V input	Optional DC12V 50W adapter (AC 90V-264V input, DC-out by 2-pin phoenix connector)		
Environment	Temperature	Operating		None-operating
		-20 ~ 60°C ( -4 ~ 140°F )		-20 ~ 80°C ( -4 ~ 176°F )
Physical Size	Dimensions	204mm(W) x 206mm(D) x 67mm(H)		
Packing Carton	Dimensions	290mm(W) x 290mm(D) x 260mm(H)		
Weight	N.W	2.5Kg		
	G.W.	3.3Kg		
Certifications	EMC	CE, FCC Class A		

## System Dimension Drawing



## Ordering Information

Part Number	CPU	Chip	VGA	HDMI	GbE	USB	COM(RS-232)	e-SATA	Memory	System HDD
AIS-N2800-C2-M2-00	N2800	NM10	1	1	1	8	2	1	2GB	w/o HDD
AIS-N2800-C2-M4-00	N2800	NM10	1	1	1	8	2	1	4GB	w/o HDD
AIS-N2800-C2-M2-SD32	N2800	NM10	1	1	1	8	2	1	2GB	2.5" SSD 32GB
AIS-N2800-C4-M2-00	N2800	NM10	1	1	1	8	4	1	2GB	w/o HDD
AIS-N2800-C6-M2-00	N2800	NM10	1	1	1	8	6	N/A	2GB	w/o HDD

※ AIS-N2800 system memory 2GB or 4GB has to be installed before production. DRAMs could be consigned in terms of sales contract.

## Optional Items

Part Number	Description
SODIMM-DDR3-2GB	204-Pin SODIMM DDR3-1333, 2GB
SODIMM-DDR3-4GB	204-Pin SODIMM DDR3-1333, 4GB
SSD3-60	2.5" SATA SSD 3.0 (6Gb/s), 64GB
SATADOM-16GB	SATA EDOM, SDM03U-VM 1CH, 16GB
SATADOM-32GB	SATA EDOM, SDM03II-VM 2CH, 32GB
AIS-WM-BK	AIS Chassis Wall Mount Bracket Kits, Black, with Screws
AIS-WiFi-Kit	Mini-PCIe Half-size Wi-Fi Module with Antenna
AIS-DBAE1-50W	AC-DC12V 50W Adapter, AC 90V-264V input by C14 socket, DC12V@4.16A output with 2-pin terminal block
AIS-PS-US	Power cable, 180cm, USA 5-15 3-pin plug
AIS-PS-EU	Power cable, 180cm, Euro CEE 7/7 plug