

3.5" SubCompact Board System with Intel® Pentium® N4200/ Celeron® N3350 Processor SoC



Features

- Intel® Pentium® N4200/ Celeron® N3350 Processor SoC
- DDR3L 1866 MHz SODIMM x 1, up to 8 GB
- VGA
- SATA 6.0 Gb/s x 1
- USB 3.2 Gen 1 x 2, USB 2.0 x 1, COM x 7
- mSATA x 1 (Full size), Mini Card x 1 (Full size)
- DC 12V Only, ATX Mode



I/O	
Ethernet	Realtek RTL-8111E, RJ-45 x 2
Audio	—
USB Port	Rear I/O: USB 3.2 Gen 1 x 2 Internal: USB2.0 x 2
Serial Port	Rear I/O: COM x 1 (RS-232) Internal: COM x 6 (RS-232)
Parallel Port	—
HDD Interface	SATA 3.0 x 1
FDD Interface	—
SSD	mSATA x 1 (Full, optional for mini-card)
Expansion Slot	mSATA x 1 (Full size), Mini Card x 1 (Full size) with uSIM
DIO	—
SIM	—
TPM	—
Touch	—

Specifications

System	
Form Factor	3.5" SubCompact Board System
CPU	Intel® Pentium® N4200/ Celeron® N3350 Processor SoC
CPU Frequency	Up to 2.5 GHz
Chipset	Intel® Pentium® N4200/ Celeron® N3350 Processor SoC
Memory Type	DDR3L 1866MHz, SODIMM x 1
Max. Memory Capacity	Up to 8GB
BIOS	AMI
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	12V Only
Power Supply Type	ATX
Power Consumption (Typical)	Intel® N4200,DDR3L 1600MHz 8GB,1.61A@+12V
Dimension (L x W)	178mm x 134.1mm x 50mm
Operating Temperature	32°F ~ 122°F (0°C ~ 50°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 85°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	126,000
Certification	CE/FCC
Display	
VGA/LCD Controller	Intel® Pentium® N4200/ Celeron® N3350 Processor SoC
Video Output	VGA
Backlight inverter supply	—

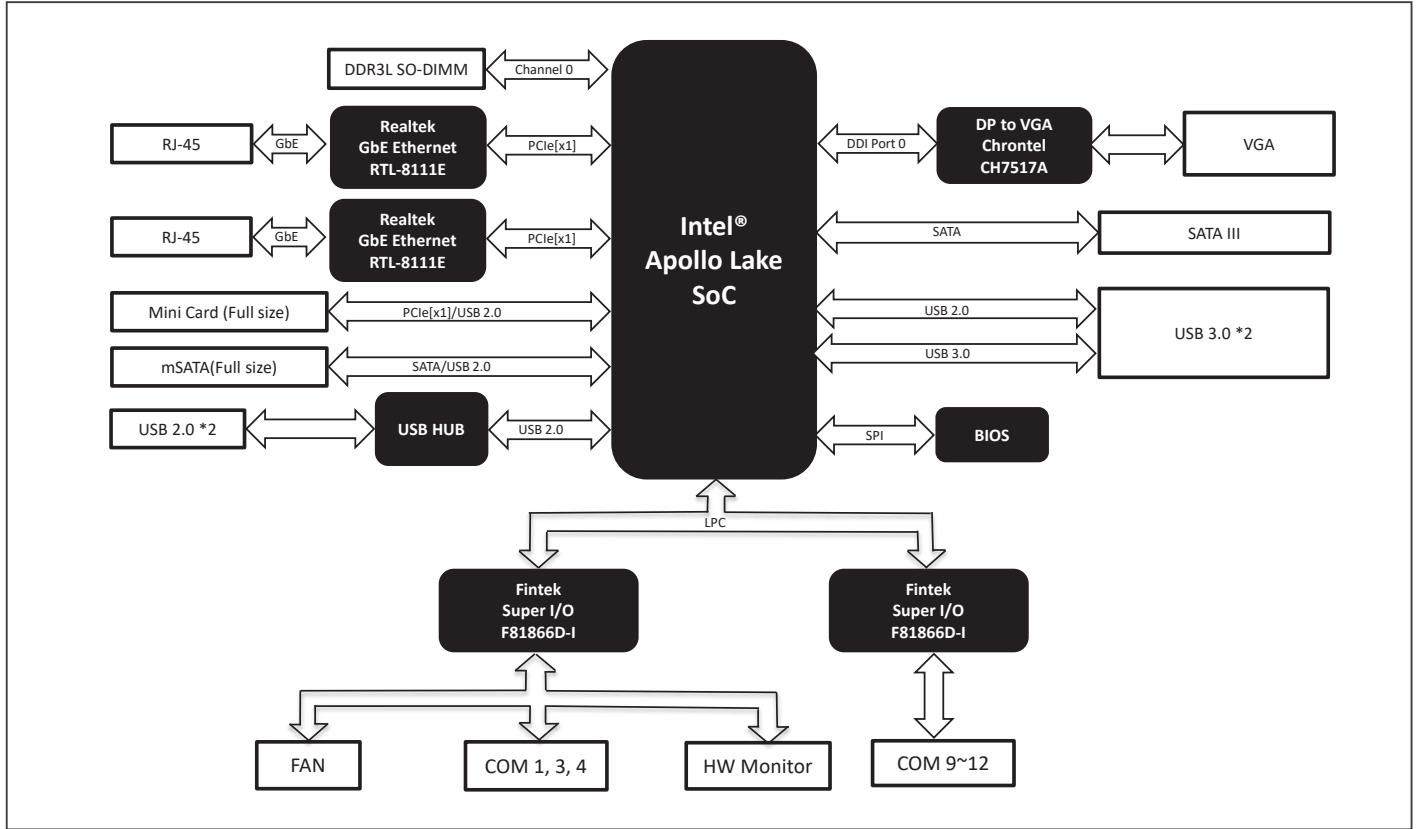
Packing List

- GENESYS-APL7

Optional Accessories

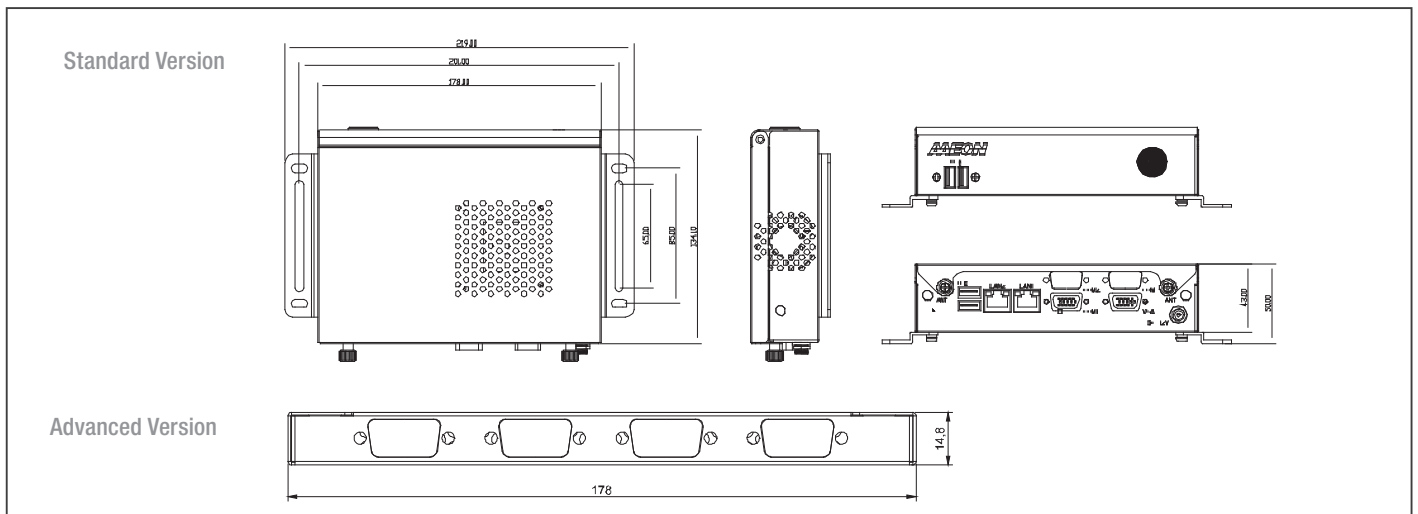
Part Number	Description	QTY
968D3004G6	4GB,DDR3L,204Pin SODIMM,1600,Transcend.TS512MSK64W6H	1
968D3008G7	8GB,DDR3L-1600,204Pin SO-DIMM,1.35V,512Mx8,Samsung.K4B4G0846X,Transcend.TS1GSK64W6H	1
968C032G32	Full-size mSATA,32GB,Transcend.TS32GMSA370	1
968C064G2K	Full-size,64GB,mSATA,MLC,Transcend.TS64GMSA370	1
968C256G22	2.5" SATA3 SSD,256GB,MLC,-10~80C,Transcend.TS256GSSD420K-AA	1
968C512G06	2.5" SATA3 SSD,512GB,MLC,-10~80C,Transcend.TS512GSSD420K-AA	1
125530060Z	Power Adapter, 12V,5A,60W, FSP060-DHAN3	1
1255300960	Power Adapter, 12V,5A,96W, FSP096-DHAN3	1
1702031802	Power Cord (US)	1
1702031803	Power Cord (Europe)	1
170203180E	Power Cord (Japan)	1
GENESYS-APL7-WMT1	Wall Mount Kit. For GENESYS-APL7	1
GENESYS-APL7-VESA1	VESA Mount Kit. For GENESYS-APL7	1
GENESYS-APL7-HDD1	HDD Kit. For GENESYS-APL7	1
GENESYS-APL7-COM1	COM Extension Kit. w/ 1 Cable. For GENESYS-APL7	1

Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	CPU	Fan/Fanless	Display	Storage	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Power Temp	Others
GENESYS-APL7-A10-FS01	N3350	w/HS, Fan	VGA	SATA x 1, mSATA x 1 (full size)	GbE x 2	USB 3.2 Gen 1 x 2, USB 2.0 x 2	1	—	MiniCard x 1 (Full)	12V	0°C ~ 50°C	—
GENESYS-APL7-A10-FS02	N4200	w/HS, Fan	VGA	SATA x 1, mSATA x 1 (full size)	GbE x 2	USB 3.2 Gen 1 x 2, USB 2.0 x 2	1	—	MiniCard x 1 (Full)	12V	0°C ~ 50°C	—