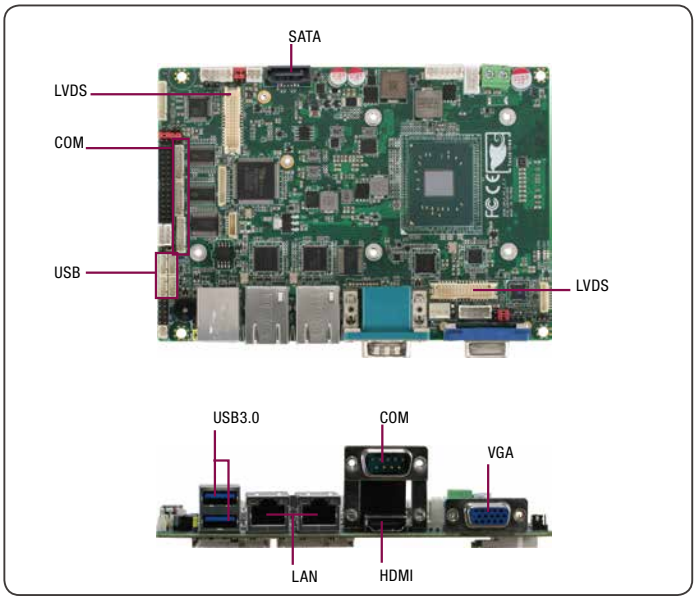
3.5” SubCompact Board with Intel® Pentium® N4200/ Celeron® N3350 Processor SoC

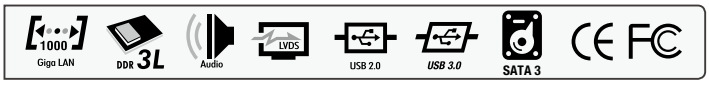


Features

- Intel® Pentium® N4200/ Celeron® N3350 Processor SoC
- DDR3L 1866 MHz SODIMM x 1, up to 8 G
- VGA/LVDS/LVDS2 (HDMI Co-layout with LVDS2 Optional)
- 2 CH Audio, SATA III x 1
- Support 8-bit Digital I/O , USB 2.0 x 4 , USB 3.0 x 2 , COM x 4
- Mini Card x 1 (Half size), mSATA x 1 (Full size)
- DC 12V Only or +9~19V (Optional), AT/ATX Mode
- Supports TPM (Optional)
- 4/5/8-wire Resistive Touch Screen Controller (Optional)

Specifications

System	
Form Factor	3.5'' SubCompact Board
CPU	Intel® Pentium® N4200/ Celeorn® 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	UEFI
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	+12V OR+9~19V (optional)
Power Supply Type	AT/ ATX
Power Consumption (Typical)	Intel® N4200, DDR3L 1600MHz 8G, 1.57A@ +12V
Dimension (L x W)	5.75" x 4" (146mm x 101.7mm)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 81°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	128,000
Certification	CE/FCC
Display	
VGA/LCD Controller	Intel® Atom™N4200/ N3350 Processor SoC integrate
Video Output	VGA/LVDS/ LVDS2 (co-layout with HDMI, optional)
Backlight inverter supply	Yes
I/O	
Ethernet	Intel® i210/I211, 10/100/1000Base-TX, RJ-45 x 2
Audio	High Definition Audio Interface
USB Port	USB 3.0 x 2 USB 2.0 x 4
Serial Port	RS-232 x 2 , RS-232/422/485 x 2
Parallel Port	SPP/EPP/ECP x 1 (Option, share with DIO)
HDD Interface	SATA 3.0 x 1 +5V SATA power connector x 1
FDD Interface	—
SSD	mSATA
Expansion Slot	mSATA x 1 (full-size) miniCard x 1 (half-size)
DIO	8 Bit
SIM	x 1 (uSIM) (Optional)
TPM	x 1 (Optional)
Touch	x 1 (Optional)



Packing List

- Product DVD
- GENE-APL5 with Heatsink

Optional Accessories

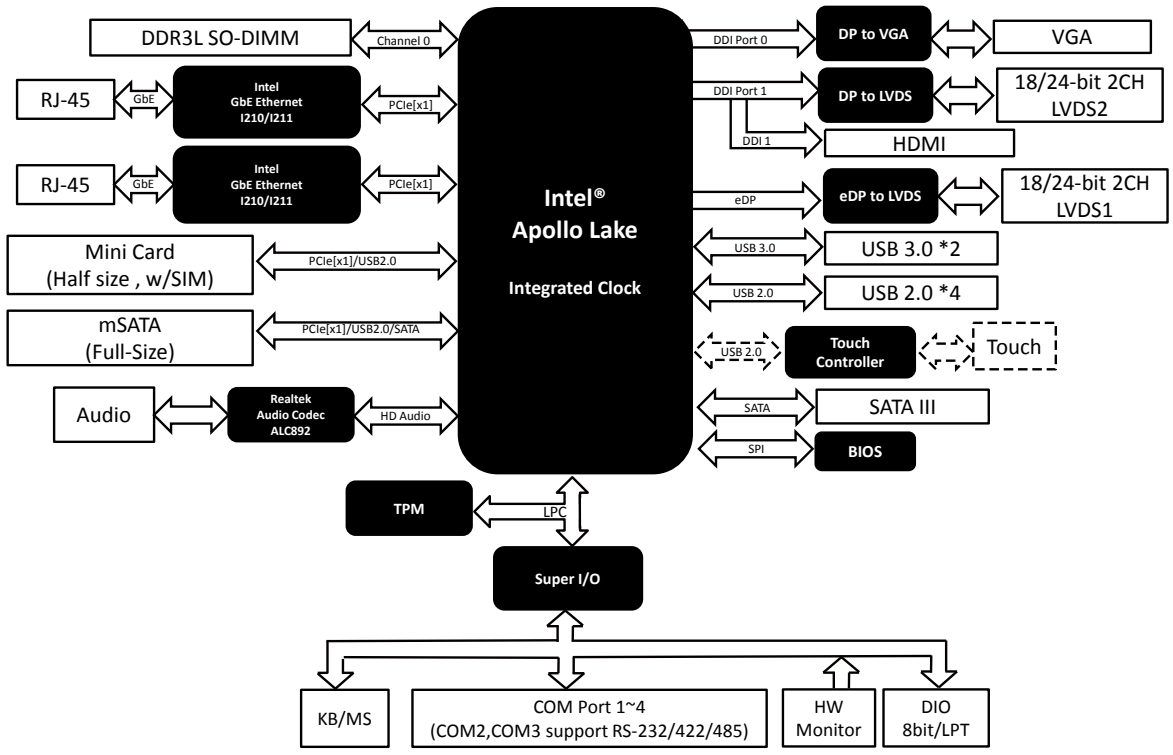
Part Number	Description	QTY
1700050207	(TF) USB CABLE.1*5P Pitch=1.25mm Housinh.20cm.for PFM-945C	4
1701090150	(TF) Flat Cable.D-Sub 9(M).9P Housing.9P 1.25mm pitch Housing.15cm	3
1709100254	(TF) PHONE JACK Cable.3P AUDIO JACK.1*10P 1.25mm HOUSING(F).25cm	1
1709070500	(TF) SATA CABLE.7P Pitch 1.27mm.50cm	1
1701260200	(TF) Flat Cable.25P D-SUB FEMALE.26P 2.00mm Pitch Housing.20cm	1
170204010R	(TF) Power Cable.Double 4P 5.08mm Housing(M).10cm	1
1702150155	(TF) Power Cable.15P SATA(F).2P 2.0mm Housing(PH).15cm	1
170220020B	(TF) Power Cable.20P ATX(M).4P 5.08mm Housing(F).+3P 2.5mm Housing(XH).20cm	1
1700060157	(TF) Cable.6P 2.0mm Housing.6P JACK W/SCREW KB&MS.15cm	1

Distributed by:
TEXIM EUROPE
www.texim-europe.com

2017/08/16
www.texim-europe.com

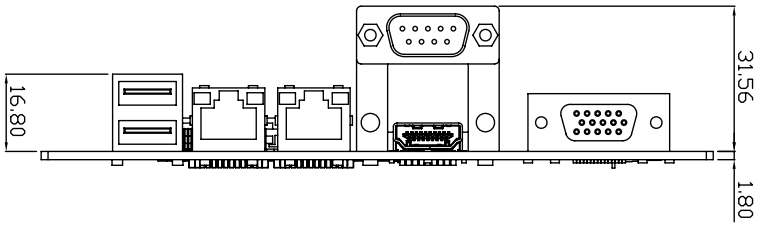
Note: All specifications are subject to change without notice.

Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	CPU	Fan/Fanless	Display	LVDS	Storage	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Power Temp	Others
GENE-APL5-A11-0001	N3350	Fanless	VGA/LVDS	24bit,2CH	SATA x 1, mSATA x 1 (full size)	GbE x 2	USB3.0 x 2, USB 2.0 x 4	2	2	miniCard x 1 (half size)	12V	0°C ~ 60°C	DIO x 8
GENE-APL5-A11-0002	N3350	Fanless	VGA/LVDS/ LVDS2	24bit,2CH	SATA x 1, mSATA x 1 (full size)	GbE x 2	USB3.0 x 2, USB 2.0 x 4	2	2	miniCard x 1 (half size)	9~19V	0°C ~ 60°C	Touch Controller, SIM, TPM, DIO x 8

Contact details

The Netherlands



Elektrostraat 17
NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33
F: +31 (0)53 573 33 30
E: nl@texim-europe.com

Belgium



Zuiderlaan 14 bus 10
B-1731 Zellik

T: +32 (0)2 462 01 00
F: +32 (0)2 462 01 25
E: belgium@texim-europe.com

UK & Ireland



St. Mary's House, Church Lane
Carlton Le Moorland
Lincoln LN5 9HS

T: +44 (0)1522 789 555
F: +44 (0)845 299 22 26
E: uk@texim-europe.com

Germany North



Bahnhofstrasse 92
D-25451 Quickborn

T: +49 (0)4106 627 07-0
F: +49 (0)4106 627 07-20
E: germany@texim-europe.com

Germany South



Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
F: +49 (0)89 436 086-19
E: germany@texim-europe.com

Austria



Warwitzstrasse 9
A-5020 Salzburg

T: +43 (0)662 216 026
F: +43 (0)662 216 026-66
E: austria@texim-europe.com

Nordic region



Sdr. Jagtvej 12
DK-2970 Hørsholm

T: +45 88 20 26 30
F: +45 88 20 26 39
E: nordic@texim-europe.com

General information

info@texim-europe.com
www.texim-europe.com