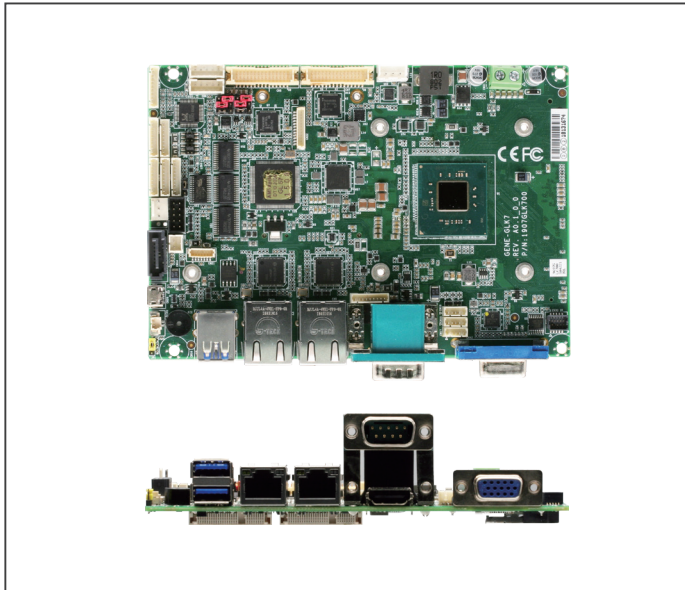


3.5" SubCompact Board with Onboard Intel® J5005/N4000 Processor SoC



Features

- Intel® Pentium® J5005/ Celeron® N4000 Processor SoC
- DDR4 2400MHz, SODIMM x1, up to 16G
- VGA/LVDS/LVDS2 (HDMI co-layout with LVDS2)
- 2 CH Audio
- SATA III x 1
- 6 COM, 2 USB 2.0 , 2 USB 3.0 , USB2.0 OTG
- Mini Card x 1(Full size), mSATA x1 (Full size)
- DC 12V only, AT/ATX Mode
- Support 8-bit Digital I/O

Specifications

System	
Form Factor	3.5" SubCompact Board
CPU	Intel® J5005/ N4000 series SoC Processor
CPU Frequency	up to 2.8GHz
Chipset	Intel® J5005/ N4000 series SoC Processor
Memory Type	DDR4 2400MHz, SODIMM x1
Max. Memory Capacity	Up to 16GB
BIOS	UEFI
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	12V Only
Power Supply Type	AT/ ATX
Power Consumption (Typical)	TBD
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)	TBD
Certification	CE/FCC
Display	
VGA/LCD Controller	Intel® J5005/ N4000 series SoC Processor
Video Output	LVDS, LVDS2, VGA (HDMI 2.0, co-layout with 2nd LVDS)
Backlight inverter supply	Yes
I/O	
Ethernet	Intel i210/I211, 10/100/1000Base, RJ 45 x2
Audio	High Definition Audio Interface
USB Port	USB 3.0 x 2 USB 2.0 x 2 USB2.0 OTG x 1
Serial Port	RS-232 x 4 , RS-232/422/485 x 2
Parallel Port	-
HDD Interface	SATA 3.0 x 1 +5V SATA power connector x 1
FDD Interface	—
SSD	mSATA x 1 (Full)
Expansion Slot	mini-card x 1 (Full)
DIO	8 Bit
SIM	x 1 (uSIM)
TPM	-
Touch	-



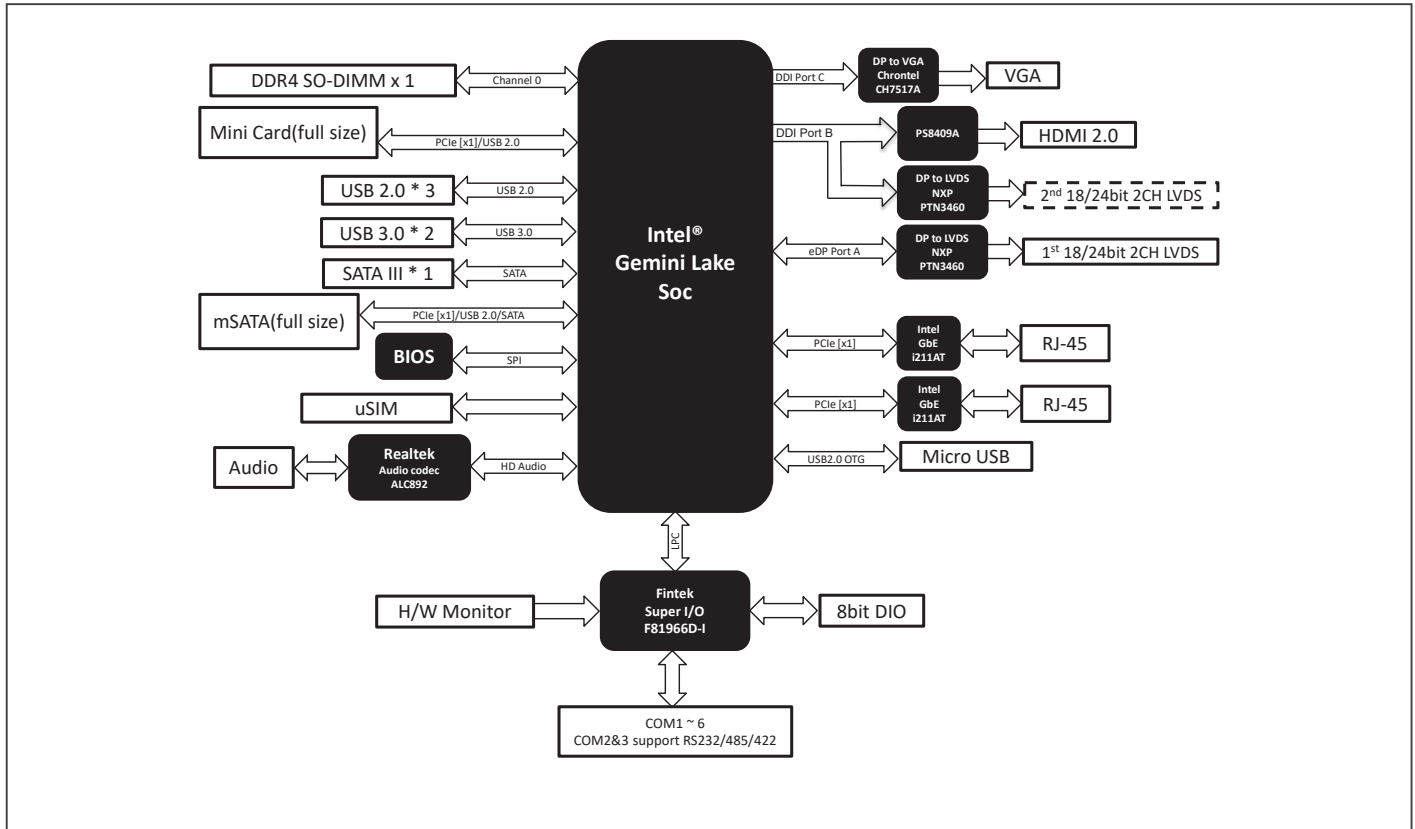
Packing List

- GENE-GLK7

Optional Accessories

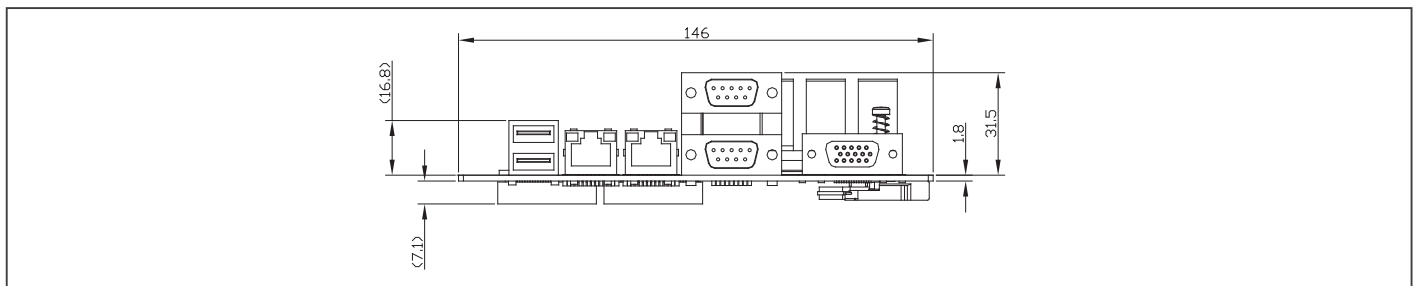
Part Number	Description	QTY
1700050207	(TF) USB CABLE. 1*5P Pitch=1.25mm Housinh. 20cm. for PFM-945C	8
1701090150	(TF) Flat Cable. D-Sub 9(M). 9P Housing. 9P 1.25mm pitch Housing. 15cm	10
1709100254	(TF) PHONE JACK Cable. 3P AUDIO JACK. 1*10P 1.25mm HOUSING(F). 25cm	1
1702150155	(TF) Power Cable. 15P SATA(F). 2P 2.0mm Housing(PH). 15cm	1
170204010R	(TF) Power Cable. Double 4P 5.08mm Housing(M). 10cm	1
1703120130	(TF) LPC cable. 12P. to 12P 1.0mm Housing. 13cm	1
GENE-GLK7-HSK01	Heatsink	1

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-GLK7	TBD	Fanless	VGA/LVDS	24bit, 2CH	SATA x 1 mSATA x 1 (full size)	GbE x 2	USB 3.0 x 2 USB 2.0 x 3	4	2	miniCard x 1 (full size)	12V	0°C - 60°C	DIO x 8