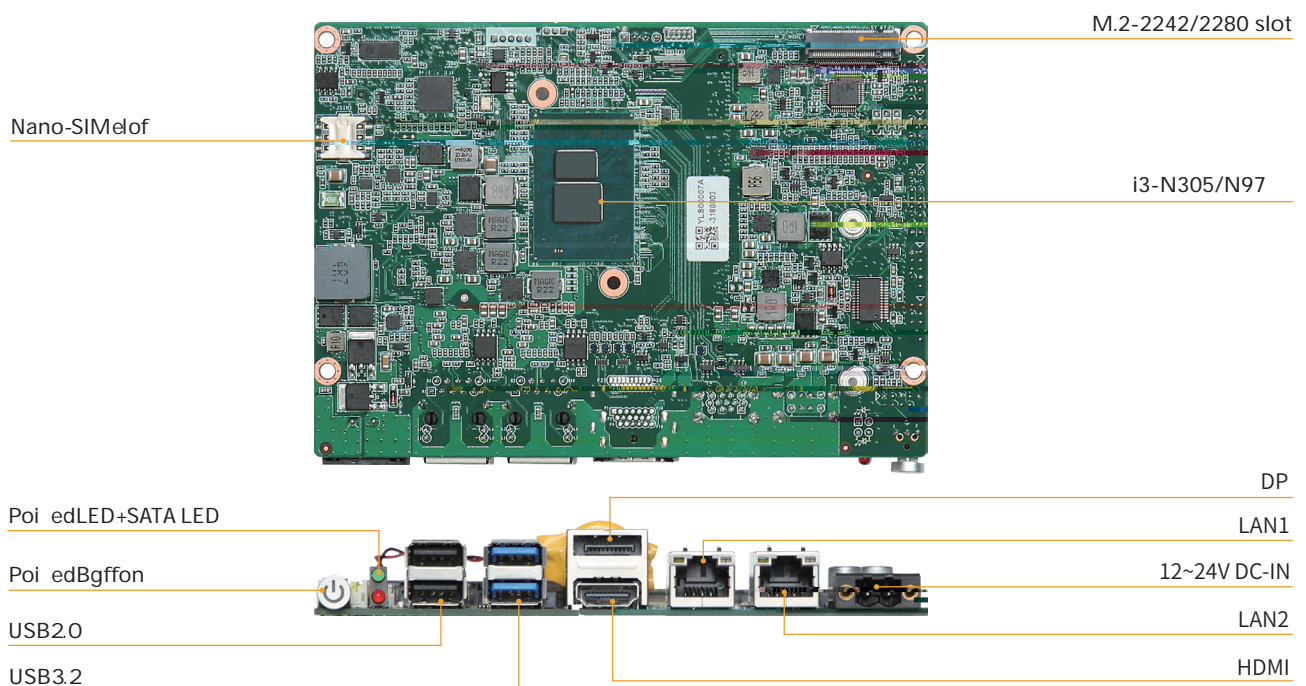
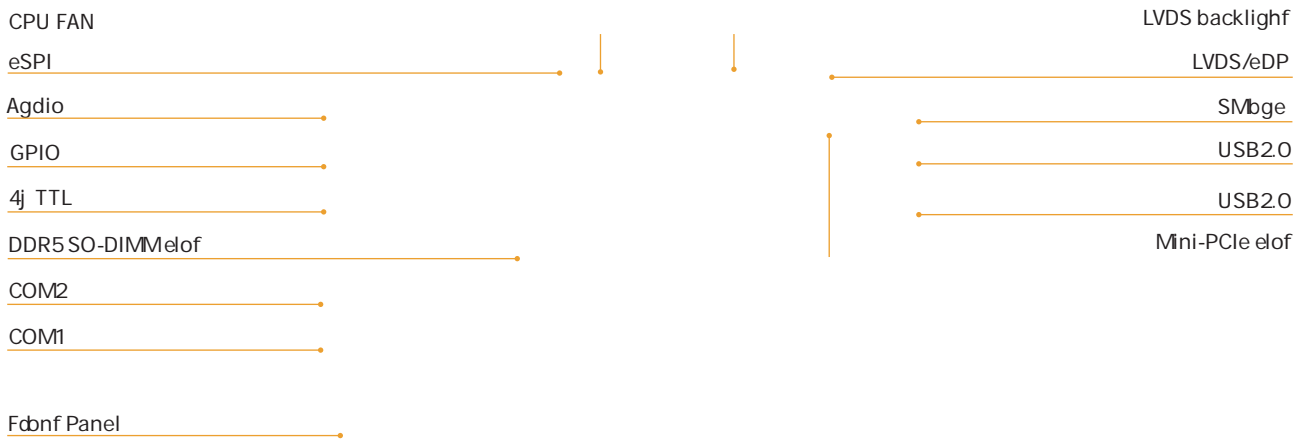


NK-6183

3.5 inch Amefon Lake-X7211RE /X7213RE /X7433RE /X7835RE Single Board

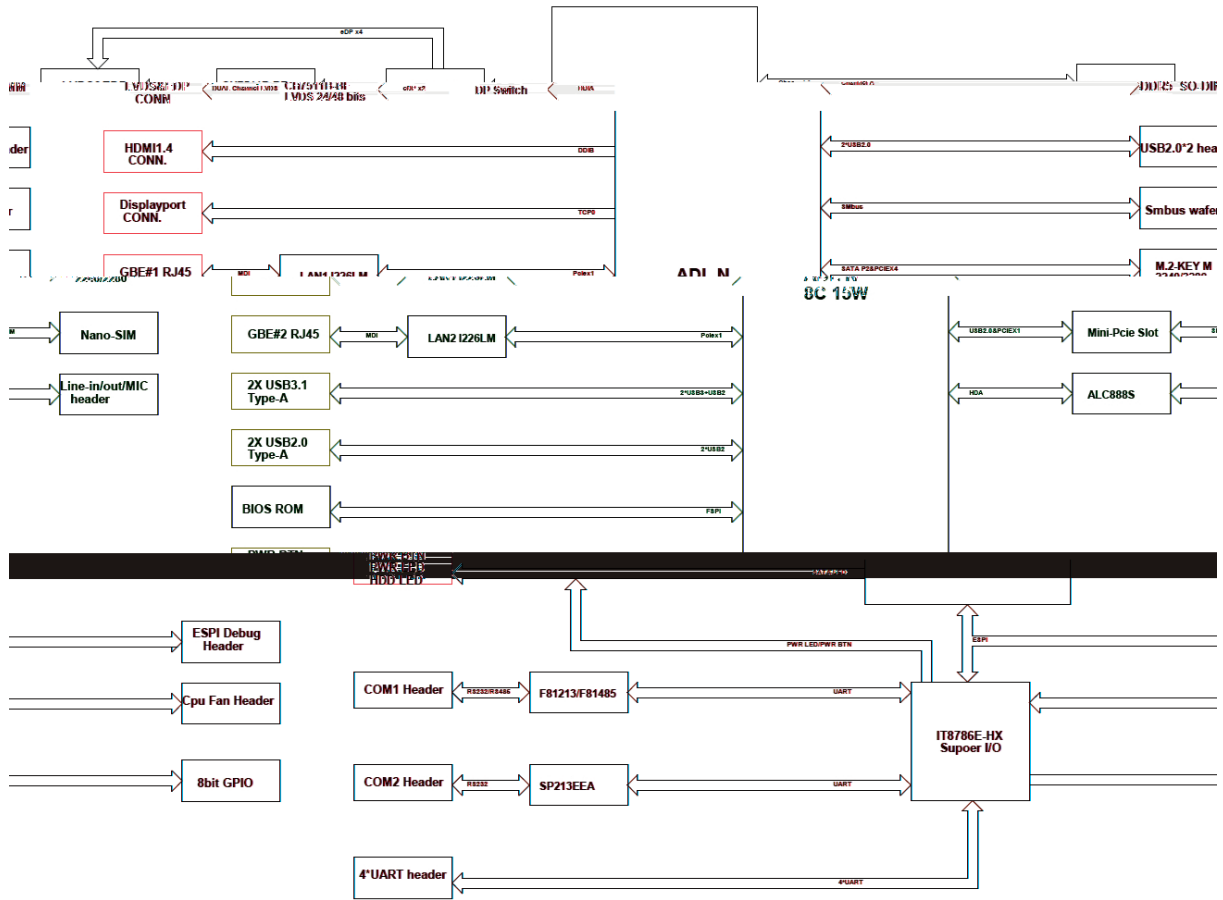
- Infel} Amefon Lake-X7211RE, Dgal-codē, gp fo 3.2GHI ,TDP 6W
- Infel} Amefon Lake-X7213RE, Dgal-codē, gp fo 3.4GHI , TDP 9W
- Infel} Amefon Lake-X7433RE, Qgad-codē, gp fo 3.4GHI , TDP 9W
- Infel} Amefon Lake-X7835RE, Ocfa-codē, gp fo 3.6GHI , TDP 12W
- Sgppodf 1 j DDR5-4800MHI SO-DIMMef, gp fo 16GB
- Sgppodf DP, HDMI, LVDS/eDP Td-dieplak
- 2j Giga-bif Efhedhef
- 2j USB3.2podfe, 4j USB2.0podfe
- 1j RS232/485, 1j RS232, 4j TTL
- 1j M.2-2242/2280NVME, 1j Mini-PCle elof i ifh nano-SIMcadē eockef
- 12p24V poi edinpgf, lockable DC-IN phoenij fedminal block



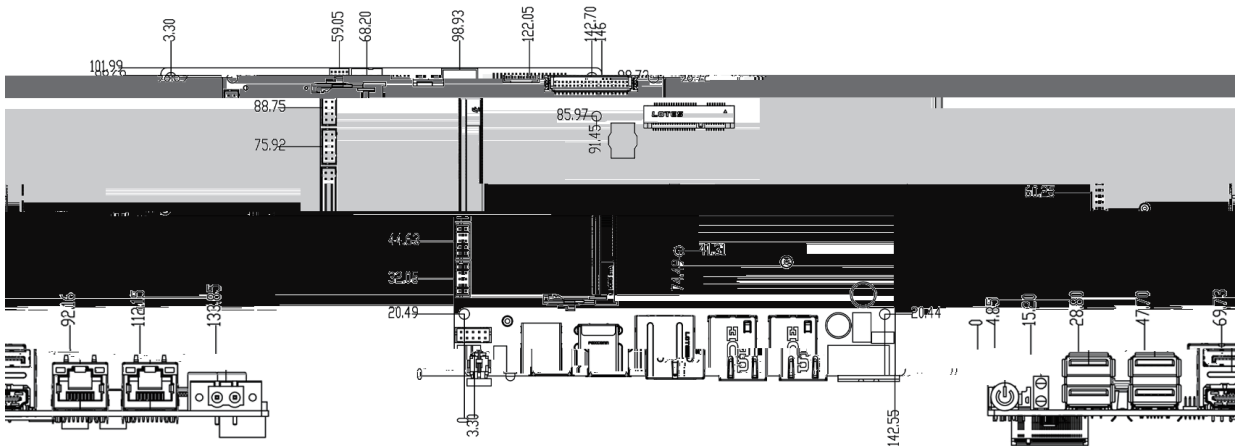
Specification

Processor/Skema	CPU	Intel® Amefon Lake-X7211RE, Dgal-cod, gp fo 3.2GHI, TDP 6W
		Intel® Amefon Lake-X7213RE, Dgal-cod, gp fo 3.4GHI, TDP 9W
		Intel® Amefon Lake-X7433RE, Ogal-cod, gp fo 3.4GHI, TDP 9W
		Intel® Amefon Lake-X7835RE, Oca-cod, gp fo 3.6GHI, TDP 12W
	Chipeef	Intel® SoC infegdafed
	BIOS	AMI 256Mb UEFI BIOS
Memok	Technologk	Single Channel(Non-ECC) DDR5-4800MHz, gp fo 16GB
	Slof	1 j DDR5 262-pin SO-DIMM elof
Sfodage	M.2	1 j M.2-2242/2280 M.2 SSD elof(SATA.3.0/NVME)
Gdaphic	Confdbllid	Intel® UHD gdaphice infegdafed
Agdio	Codec	Realtek ALC897 codec
ReadI/O	Dieplak	1 j DP1.4, deolgfiom gp fo 4096j 2160@ 60Hz
		1 j HDMI, deolgfiom fo 4096j 2160@ 30Hz
	Efhedeh	2j 2.5GBE, Intel i226-V confdbllid
	USB	2j USB3.2(10Gbps), 2j USB2.0(480Mbps)
	Bgffon	1 j Poi edBgffon(White fodpoi edon, Blink foddeleep mode, O fodpoi edo)
	Indicafod	1 j SATA LED(Red), 1 j Poi edLED(Gden)
Infedhal I/O	Dieplak	1 j LVDS, dgal channel 18/24bit, deolgfiom gp fo 1920j 1200@ 60Hz
		1 j eDP1.3 deolgfiom gp fo 4096j 2160@ 60Hz (ehad connectodi ifh LVDS)
	Agdio	1 j Agdio i afed(Mic-in/Line-ogf, 2*5pin)
	USB	2j USB2.0 i afed(1*4pin)
	Sedal Podf	1 j RS232/485 i afed(2*5pin), 1 j RS232 i afed(2*5pin), 4 j TTL i afed(2*8pin)
	Fan	1 j Smadf Fan i afed(1*4pin)
	SMbge	1 j SMbge i afed(1*4pin)
	GPIO	1 j 8bit GPIO i afed(2*5pin)
	eSPI	1 j eSPI headedfoddebgg
Ofhed	1 j Fdbnf panel i afed(2*5pin)(Poi edLED, HDD LED, Poi edbgffon, Reef bgffon)	
Ej paneion Slof	Mini-PCIe elof	1 j Mini-PCIe elof i ifh Nano-SIM eockef(PCIe/USB2.0)
Secgdfk	TPM	fTPM2.0
Wafchdog Timed	& Ogfgf&Infedhal	Skefem deef, pbgdammable fdbm 1p255 eeconde
Poi ed	Tkpe	12p24V DC inpgf +/-10% foledance
	Infedface	1 j 2-pin phoenij fedminal block
	Poi ed Conegmpfiom	TBD
O.S Sgppodf	MS Windoi e	Windoi e10/11
	Lingj	Lingj
Mechaniem	Dimeneione	(L)146mm j (W)102mm
	Gdbee Weighf	0.165kg
Enhidbnmenf	Tempedafgde	Opedafing -10 p60 i ifh SSD
	Hgmidiok	Sfodage -40 p85
	Hgmidiok	5p95% (Non-condeneing)
	Vibdafion	5p500Hz 3Gdme opedafing

Block Diagram



(Unif): mm



Order Information

Part No.	Model	Description
TBD	NK-6183-X7211RE	3.5 Amefon Lake X7211RE DDR5-4800 SO-DIMM M.2-2242/2280(SATA/NVME) DC_12-24V Sfantadl
TBD	NK-6183-X7213RE	3.5 Amefon Lake X7213RE DDR5-4800 SO-DIMM M.2-2242/2280(SATA/NVME) DC_12-24V Sfantadl
TBD	NK-6183-X7433RE	3.5 Amefon Lake X7433RE DDR5-4800 SO-DIMM M.2-2242/2280(SATA/NVME) DC_12-24V Sfantadl
TBD	NK-6183-X7835RE	3.5 Amefon Lake X7835RE DDR5-4800 SO-DIMM M.2-2242/2280(SATA/NVME) DC_12-24V Sfantadl

Packing List

Part No.	Qty	Description
KF0.000889.00.A21	2	COMCable,2*5pin i afedfo DB9 cable, lengfh=150mm
JF7.000041.00.D03	1	2-pin fedmianl block,pifch 5.08mm

Optional Accessories

Part No.	Description
C2Z.618001.0A.NDJ	Heafeink fodNK-6183
C3Z.NKEB01.10.NDJ	AEB-4COM00 2j RS485/422/232(DB9) ,2j RS232i afedl/O ej paneion kif
C3Z.0001.00.NDJ	CM-060W-CWTO 12V/60W adapfed 180cm poi edcodl
C3Z.0002.00.NDJ	CM-090W-HKA 12V/84W adapfed 180cm poi edcodl
KF0.001046.00.L54	COMCable,2*5pin i afedfo DB9 cable, lengfh=150mm
KF0.001047.00.L54	USB cable 1*4pin i afedfo USB2.0fkpe-A cable, lengfh=150mm
KF0.000949.00.Y09	Agdio Cable 2*5pin i afedfo Mic-in/Line-ogf cable, lengfh=300mm