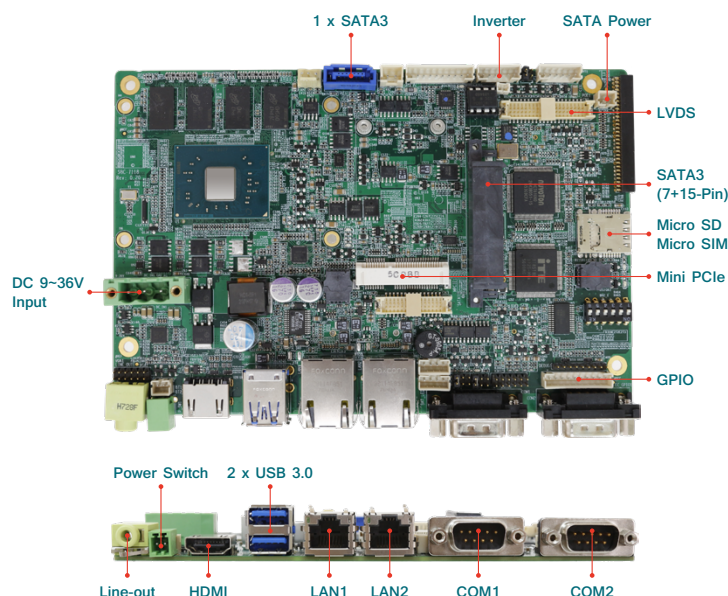# SBC-7118

4" EPIC, Onboard Intel Pentium N4200(1.10GHz) / Celeron N3350(1.10GHz) Processor, Onboard 4GB/8GB DDR3L, VGA/HDMI/LVDS, TPM 2.0

Features

- Intel Pentium N4200(1.10GHz) / N3350(1.10GHz) Processor
- Onboard 4GB/8GB DDR3L 1600MHz
- Three Independent Display Support with 4Kx2K
- Support Smart Battery
- Wide Operating Temperature, Support -40°C~85°C
- Wide Range DC 6~36V Input
- TPM 2.0 (Trusted Platform Module) Support

Packing List

- 1 x SBC-7118 4" SBC
- 1 x CR2477 Battery

Specifications

System

Form Factor	4" EPIC
Processor	Onboard Intel Pentium N4200 Processor (2M Cache, 1.10GHz) Onboard Intel Celeron N3350 Processor (2M Cache, 1.10GHz)
System Chipset	SoC
System Memory	Onboard 4GB/8GB DDR3L 1600MHz
BIOS	AMI/UEFI BIOS

Display

Controller	Intel HD Graphics Series
VGA Interface	1 x VGA
TTL/LVDS Interface	1 x 18/24-bit Dual Channel LVDS
HDMI Interface	1 x HDMI
Resolution	Up to 4096 × 2160 for VGA Up to 1920 × 1080 for LVDS Up to 3840 × 2160 for HDMI

Mechanical & Environment

Board Size (L x M)	170 mm x 113 mm
Gross Weight	TBD
Operating Temperature	-20°C~70°C (-4°F~158°F)
Storage Temperature	-40°C~85°C (-40°F~185°F)
Humidity	10%~90%, non-condensing, operating
Certificate	Meet RoHS 2.0/CE/FCC Class A

Expansion

Expansion	1 x mini PCIe (shared with mSATA)

Power Management

Power Input	Wide range DC 6~36V input
Power Connector	1 x 3-Pin power input connector

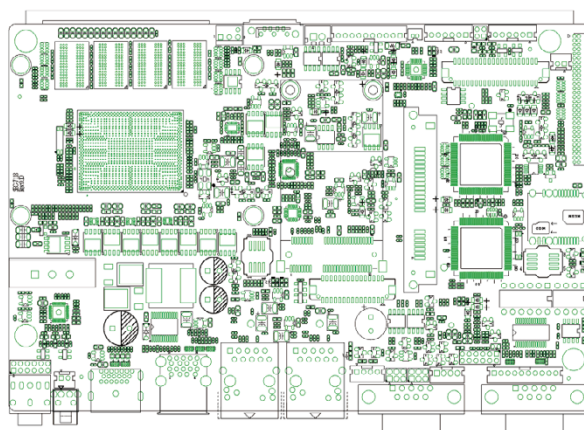### Ordering Information

SBC-7118	4" EPIC, Intel Pentium N4200 / Celeron N3350 SoC, onboard 4G/8G DDR3L, 18/24-bit dual channel LVDS, SBC-7118
TB-528 Series	I/O Board for SBC-7118

I/O

Super I/O	ITE IT8528E Fintek F81216AD
Ethernet	2 x GbE ports(RJ45) with Intel I210 Controller
USB	2 x USB 3.0 external stack ports 1 x USB 2.0 via CN1 1 x USB 2.0 via CN2 2 x USB 2.0 via CN3 1 x USB 2.0 internal for mini PCIe
Serial	1 x RS-232/422/485 port, DB-9 connector for external, pin 9 with 5V/12V/Ring select (with Auto flow control) 1 x RS-232 port, DB-9 connector for external, pin 9 with 5V/12V/Ring select 2 x UART for expansion connect 2 x RS-422/485 pin header
GPIO	8-bit digital I/O by header (4 x DI, 4 x DO)
Storage	2 x SATA3 Connectors 1 x Micro SD Slot (via Micro SD/Micro SIM Combo Slot)
SIM	1 x Micro SIM Slot (via Micro SD/Micro SIM Combo Slot)
Audio	Support Audio Via Realtek ALC269-VB 1 x Audio Phone Jack 1 x Audio Header by 2 x 6-Pin header, Line in/Line out/MIC in with Amplify Supply up to 2W(4Ω) Speaker
Smart Battery	Support 3 Serial Li battery by 10-Pin header
Battery	1 x 2-Pin header support CR2477 (1000mAH)
Watchdog Timer	Watchdog timeout can be programmable by software support 1~255 sec

Dimension