SBC-7109

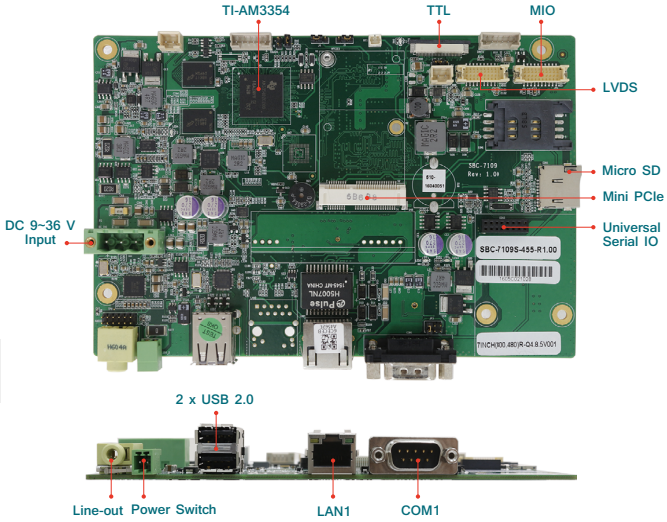
4" EPIC, TI AM3354 (1.00GHz) Processor, 512MB DDR3, 512MB NAND Flash, LVDS

Features

- TI-AM3354, ARM Cortex-A8 1GHz
- Onboard 512MB DDR3 DRAM
- Onboard 512MB NAND Flash
- 1 x 18-bit TTL or 1 x 18-bit LVDS
- Wide Range DC 9~36V Input
- 30W PoE For Option

Packing List

- 1 x SBC-7109 4" SBC
- 1 x ML1220 Battery



Specifications

System

Form Factor	4" EPIC
Processor	TI-AM3354, ARM Cortex A8 1.0GHz Processor
System Memory	Onboard 512MB DDR3 DRAM

Display

TTL/LVDS Interface	1 x 18-bit TTL or 1 x 18-bit LVDS

Mechanical & Environment

Board Size (L x M)	170 mm x 113 mm
Gross Weight	0.5 kg
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

Universal Serial IO

Expansion Module	1 x USB 2.0, 1 x I2C, 1 x UART, 1 x CAN (Support TB-508 Series)
Expansion	1 x mini PCIe slot (USB2.0 Only,Full size)

Power Management

Power Input	Wide range DC 9~36V input
Power Connector	1 x 3-Pin power input connector

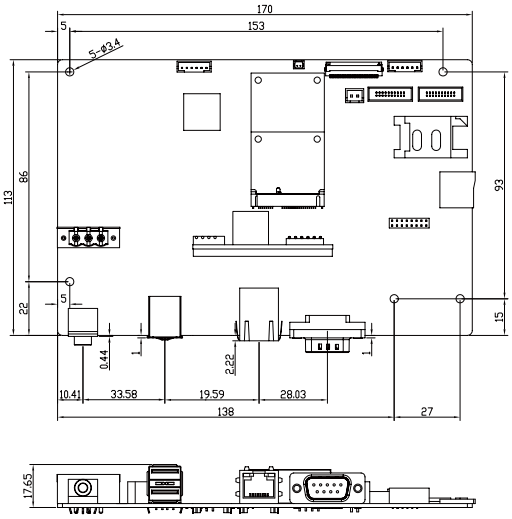
Ordering Information

SBC-7109	4" EPIC, TI-AM3354, 512MB DDR3, 512MB NAND FLASH, LVDS /TTL

I/O

Ethernet	1 x 10/100M LAN Port support PoE (PD) Module 30W 1 x 10/100M LAN Port (Linux support for optional)
USB	2 x USB 2.0 (Type A) stack ports 1 x USB 2.0 for mini PCIe 1 x USB 2.0 via CON1 1 x USB 2.0 via CON3
Serial	1 x RS-232 (RX, TX) / RS-422 / RS-485 (COM), DB-9 connector with 5/12 Ring by jumper
GPIO	8-bit digital I/O via CON1 (4 x DI, 4 x DO)
Audio	Line-out by stack jack Line-in, Line-out, MIC by via 2 x 6-Pin header
Battery	1 x 2-Pin header support ML 1220
Storage	Onboard 512MB NAND Flash 1 x Micro SD Slot
MIO	8 x GPIO, 1 x I2C, 1 x USB 2.0, Reset
SIM Slot	1 x Onboard SIM Slot
OS Support	Windows CE7.0/ Linux

Dimension



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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