



TT360 Small Form Factor Edge AI MB

For Industrial and Commercial Applications

Key Features

- ▶ Mobile SFF Platform
- ▶ Layerscape LX2 ARM processor
- ▶ Advanced AI Performance
- ▶ Dual GbE interface
- ▶ Wi-Fi/Bluetooth/LTE
- ▶ Ubuntu 20.04

Applications

- ▶ Smart City
- ▶ Safety and Security
- ▶ Robotics
- ▶ Smart Retail
- ▶ Smart Manufacturing
- ▶ Edge AIoT
- ▶ Autonomous Transportation

Overview

The TT360 Small Form Factor motherboard brings the innovation of the high performance Quad Hailo™-8 AI Accelerator and combines it with low-cost, low-power to enable integrators to create a flexible SFF Edge AI solution that meets a wide range of applications.

The TT360 is powered by Layerscape LX2 ARM processor and offers a range of expansion slots that make it easy to add wireless communications, storage, and flexible I/O featuring GbE, RS-232, CAN Bus, and USB 3.0. Applications from robotics to security are able to connect to a wide range of control devices, cameras, and sensors.

The TT360 provides M.2 M-Key and B-key expansion slots for various modules with SATA interfaces such as M.2 SATA modules for general storage as well as LTE connectivity.

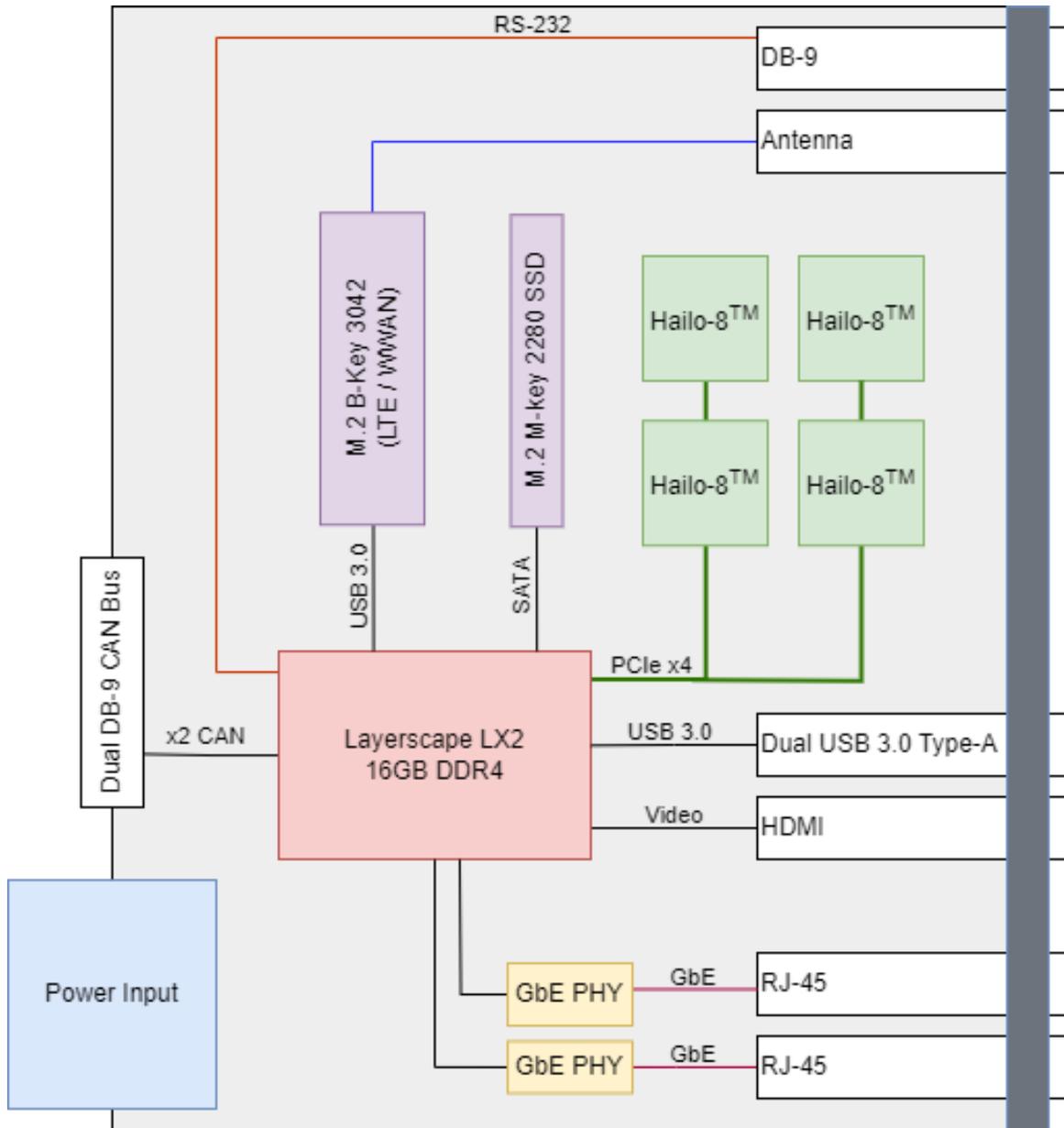
Key Advantages

- ▶ Small Form Factor Motherboard
- ▶ Layerscape LX2 ARM processor
- ▶ Low cost 'chip-down' design
- ▶ Quad Hailo™-8 AI Accelerator
- ▶ 104 TOPS AI Performance
- ▶ M.2 M-Key and B-Key Expansion Interfaces



TT360 SFF Edge AI Motherboard

Block Diagram



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Specifications

AI ACCELERATOR	Quad Hailo-8™ AI Processor with 104 TOPS Total Performance
CPU	NXP Layerscape LX2 Family
SYSTEM MEMORY	16GB DDR4
DISPLAY INTERFACE	HDMI Interface
STORAGE DEVICE	Embedded eMMC
	MicroSD Card Expansion
	M.2 M-key SATA
ETHERNET	RJ-45 x 2 for GbE LAN
I/O	USB Type A x 2 for USB 3.0
	DB-9 x 1 for RS-232
	DB-9 x2 for CAN Bus Interface
EXPANSION	M.2 M-Key 2280 (for SATA Storage)
	M.2 B-Key 3042 (for LTE/WWAN)
INDICATOR	Power LED x 1
OS SUPPORT	Ubuntu 20.04
POWER	18V to 36V DC
	Maximum 115W total power budget

Ordering Options

Part Number	Description
TT360K1LTB	TT360 Edge AI Box / NXP Layerscape LX2080A 8-core ARM CPU
TT360K2LTB	TT360 Edge AI Box / NXP Layerscape LX2120A 12-core ARM CPU
TT360K3LTB	TT360 Edge AI Box / NXP Layerscape LX2160A 16-core ARM CPU

The system can be customized for specific customer requirements, contact Tauro Technologies sales for details.



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