

EvoTRAC-S1901 PLATFORM



Intelligent High-Performance Compute Platform Built for Heavy-Duty Operations

- ▶ Ruggedized & modular platform for in-vehicle deployment with built-in AI
- ▶ COM Express® Intel® High Performance Module
- ▶ Expansion slots for multiple GPUs, frame grabbers, video modules and more
- ▶ Multiple I/O, high speed network with PTP and high capacity storage option
- ▶ Wireless connectivity options for cellular and Wi-Fi

POSSIBILITIES START HERE



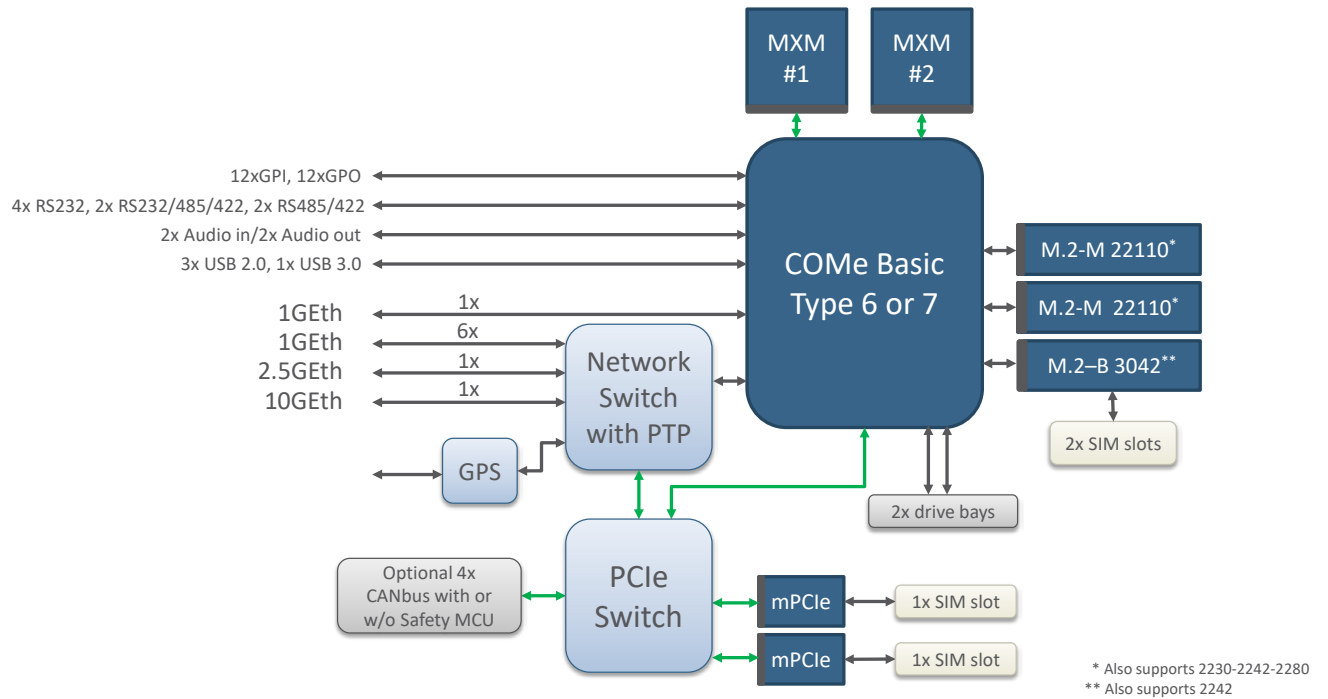
► TECHNICAL INFORMATION

CPU	COMe-bBD7R E2 Intel® Xeon® D-1539, 8 Cores, 1.6 GHz
OPTIONAL CPU	COMe-bBD7R E2 Intel® Xeon® D-1559, 12 Cores, 1.5 GHz
POWER	9-36 Vdc 150 W Optional: 9-36 Vdc 250 W, 24-36 Vdc 500 W
MEMORY	Up to 64 GByte of DDR4 (2x DDR4 DIMM with ECC)
COOLING*	Fanless Optional: Fan cooled or liquid cooled
TEMPERATURE	-30 °C to +55 °C Extended temperature*: -40 °C + 71 °C
INGRESS PROTECTION	IP67
ETHERNET PORTS	7x 10/100/1000 Mbit/s 1x 1000/2500 Mbit/s 1x 10 GbE PTP/1588 with 1PPS, GPS IEEE 802.3-2012 Power-over-Ethernet (Option)
STORAGE	Removable 2.5" drives Optional: 2x M.2 2230/2280/22110-M
EXPANSION	1x M.2 3042-B (LTE, or others) 2x mPCIe full length (WiFi/Bluetooth, Frame grabber, or others)
OPTIONAL MXM GPU**	2x MXM port (Type A & B) T1000, 2.2 Tflops (FP32) RTX3000, 5.3 Tflops (FP32) Others: Project-Based
USB	1x USB (3.0) 3x USB (2.0)
SERIAL	4x RS232 2x RS485 or RS232 2x RS485/422 4x CAN-FD (Optional)
AUDIO	2x balanced Audio In 2x balanced Audio Out
DISCRETES	12x digital Input 12x digital Output
OPERATING SYSTEM	Linux Ubuntu 18.04 LTS, 64-Bit (installed)
SPECIAL FEATURES	9-axis IMU 4x CANBus 2.0 FD (Option) Safety Processor Aurix TC387 MCU with 4x CANbus 2.0 FD (Option)

* Depending on processor and payload configuration

** Operating temperatures may vary based on the selected GPU(s), power supply unit and/or cooling options.

► BLOCK DIAGRAM



► COMPANY ADDRESS

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