



REAL-TIME SENSOR FUSION PLATFORM



HYBRID PROCESSING SYSTEM

- Edge Computing Solution
- Heterogeneous Processing Technology
- Industrial Digitalization

TO BE LAUNCHED IN Q4 2022

TECHNICAL DATA

- Power supply: 24 VDC, 3 A max. current
- Power supply galvos: ± 15 VDC, 5 A*
- Xilinx Zynq UltraScale + ZU3
- Application Processor: Quad-Core ARM Cortex-A53 MPCore & 8-core Carmel ARM[®] v8.2 64-bit CPU, 8MB L2 + 4MB L3
- Real-Time Processor: Dual-Core ARM Cortex-R5 MPCore
- GPU: Mali-400 MP2 & NVIDIA Jetson AGX Xavier with 512-Core NVIDIA Volta[™] GPU with 64 Tensor Cores
- 32GB 256-Bit LPDDR4x onboard & 2 GByte DDR4 SDRAM, 32-Bit databus-width, 128 MByte QSPI boot Flash in dual parallel mode, 8 GByte e.MMC Memory (up to 64 GByte), microSD slot.
- Hi-speed USB2 UPLI transceiver with full OTG support
- DB25 connector: For X, Y and Z axis, 100 kHz data rate, XY2-100 protocol, 16bits or 18 bits mode
- 2 Ethernet: Gigabit Ethernet transceiver PHY
- Ethernet: 2X1000 Mbps Ethernet (Intel[®] i210-IT) & 4X1000 Mbps PoE (Intel[®] i210-IT)
- 8 Analog inputs: 20 kSPS, 0-10 VDC, 10 bits resolution
- 1 Analog input: 1 MSPS, 0-10 VDC, 18 bits resolution
- 2 Analog outputs: 50 kHz data rate, 0-10 V (adjustable), 12 bits resolution, 60 mA max.
- 1 Digital input: 24 VDC
- 2 Digital outputs: 24 VDC, 1 A max., PWM mode available, 500 kHz max. frequency
- 2 PWM, 5 VDC level, 10 MHz max. frequency
- 2 CAN interfaces: supports 1 Mb/s operation

* Depending on the scanner head consumption

FOR FURTHER INFORMATION PLEASE DON'T HESITATE TO CONTACT US!

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