STEATITE
COMPUTING - POWER - COMMUNICATIONS
A Solid State Group Company

Active Silicon
COMPUTER IMAGING PRODUCTS
A SOLID STATE PLC GROUP COMPANY

HIGH-PERFORMANCE MACHINE VISION PC

Introducing a powerful, compact and fanless PC designed specifically for capturing and transmitting high-quality images and video while leaving plenty of compute power for other processing tasks

Steatite and **Active Silicon** have collaborated to produce a rugged, customizable imaging PC, ideal for machine vision, vehicle awareness, medical, UAV and AI applications
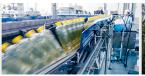
Unique Features

- Industry-grade, fanless, and rugged for running 24/7 operations reliably and silently
- Embedded CoaXPress interface
- High-power CPU delivering fast processing and efficient data handling
- MXM-A2000 or MXM-RTX3000 GPU module for running GPUDirect®
- Compliant with IEC 60068-2-27 (shock 50G) and IEC 60068-2-64 (vibration 5G)
- Multiple expansion and extensive I/O
- 260 mm x 200 mm x 85 mm compact footprint, weight 4790g
- Supports wide operating temperature (-40°C - 70°C)
- Fully configurable, modular form, allows customization to optimum specifications
- Long product life (10+ years) for long-term supply

PC Performance:

- 8th/9th Gen Intel® Xeon®/Core™ Processor, up to 8 cores and TDP 80W
- Wide DC input (9-48 VDC) and 360W system power budget
- 2x DDR4 SO-DIMM sockets, up to 2666MHz, 128GB
- Flexible expansion options

Imaging Performance:

- Embedded FireBird CoaXPress grabber supporting 4xCXP-12
- Image data transfer, camera control and power over a single coax cable
- Fast PCI Express 8-lane Gen3 interface
- ActiveDMA engine – acquisition with zero CPU usage
- Full GenICam support (including GenTL Producer)
- Supported by the proven ActiveSDK
- FireBird I/O for real time image triggering

PC I/O Interface:

- Supports Triple Independent Display (DVI-I/DisplayPort/HDMI)
  - 1x DVI-I Connector (1920 x1200 @ 60 Hz)
  - 1x DisplayPort Connector (up to 4096 x 2304 @ 60Hz)
  - 1x HDMI Connector (4096 x 2160 @ 30Hz)
- 2x GbE LAN Ports (Supports WoL, Teaming, Jumbo Frame & PXE), RJ45
- 4x RS-232/422/485 Ports with Auto Flow Control (Support 5V/12V), DB9
- 4x 10Gbps USB3.2 Gen2 Ports, Type-A
- 4x 5Gbps USB3.2 Gen1 Ports, Type-A
- Further I/O - more details available