

Technical Data

VisionBox AGE-X TIGER+ B3631##
[Ver. 1.2 / 07.2018]

The Heart of Your Vision System



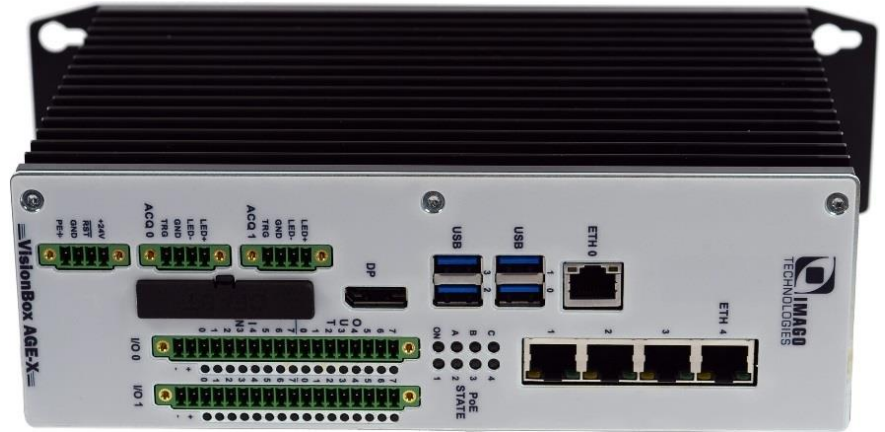
Embedded Industrial Machine Vision Computer

The AGE-X TIGER+ consists of the unique Real-Time Communication Controller and latest Skylake processor. Vision Interfaces are 4 GigE Vision ports, 2 current-driven outputs for LED lighting and 16/16 digital I/Os.

Key Features



- 2 × LED controller and
- 2 × camera trigger
- 16/16 digital In/Out with opto-isolators
- 5 × GigE interface (4 × camera, 1 × network)
- Computing power: Quad-core Skylake i5
- OS MS Windows 10 IoT Enterprise 2016 LTSB 64 bit
- ≥ 120 GB CFast under service hatch
- Embedded system / fanless design
- Long-term availability 2018...2023



Interfaces

Camera Interface	4 × GigE Vision
Camera Trigger	2 ×
LED Controller ($\frac{1}{2}$ A _{continuous} / 6 A _{Peak})	2 × current-controlled
Digital I/O	16 × In / 16 × Out, opto-isolated, 24V
Ethernet	5 × 1.000 Mbit/s (4 × GigE Vision, 1 × LAN)
USB 3.0	4 × for external peripherals (Please ask for IMAGO's recommendations using USB as a camera port.)
USB 2.0	2 × under service hatch for dongles
DisplayPort++ 1.2, 60 Hz	1 ×

Processor

	Intel i5-6500 TE
Frequency (turbo mode)	2.3 GHz (3.3 GHz)
Cores / Threads	4 / 4
DDR RAM	2 × 4 GB DDR4
Intel Smart Cache	6 MB
Intel 64 / Hyper-Threading	yes / no
Mass Storage	CFast ≥ 120 GB

Mechanical/Electrical

Power Consumption (idle / load)	10W / 40W
Power Supply	18V _{DC} – 30V _{DC}
Thermal Solution	Heat sink
Temperature Range	+5 °C ... +45 °C (recommended: +20 °C ... +30 °C)
Weight	2.400 kg
Dimensions	230 mm × 164 mm × 76 mm (W × D × H) 274 mm × 164 mm × 76 mm (W × D × H, on mounting plate)
Mounting Support	4 × M5
Service Flap	access to 2x internal USB 2.0 connector (Dongle / USB stick)

Ask for the MOQ of your individual configuration.

© IMAGO Technologies GmbH

Strassheimer Str. 45; 61169 Friedberg; Germany; Tel. +49-6031-6842611
www.imago-technologies.com; info@imago-technologies.com



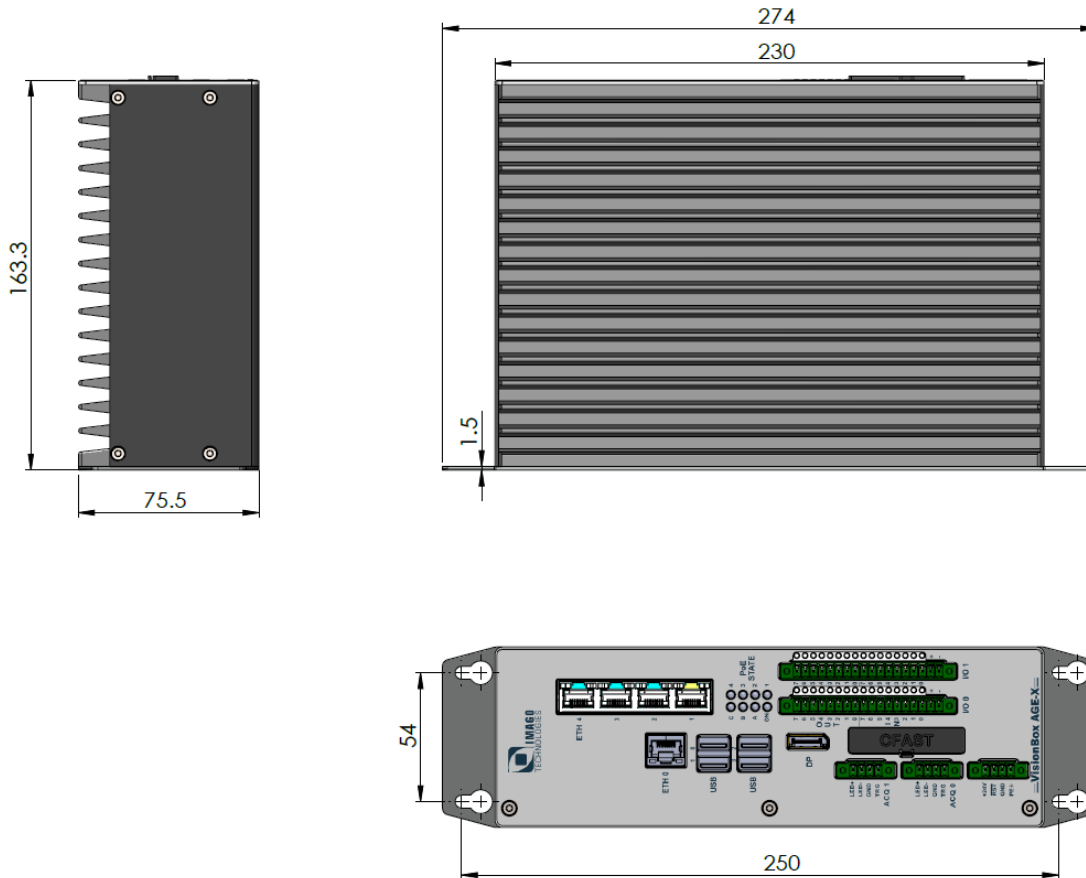
Technical Data

VisionBox AGE-X TIGER+ B3631##
[Ver. 1.2 / 07.2018]

The Heart of Your Vision System



Dimensions



Block Diagram

