MAI602-EDU

AI Education Platform

Power by 7th/6th Gen Intel® Core™ i7/i5/i3 Desktop Processors

Features

- Face recognition
- Behavior identification
- Skeleton detection
- Not limited by number of people

Specifications

MAI602-EDU System Specifications	
System Mainboard	MB300-TLP with Intel® Q170 PCH
CPU Type	7th/6th Gen Intel® Core™ i7/i5/i3 desktop processors
System Speed	Up to 3.4GHz
Memory	2x DDR4-2133 SO-DIMM, Max. 32GB
Construction	Aluminum & steel
Chassis Color	Sliver + navy blue
Front Panel External I/O	2x Antenna hole for WLAN module
Rear Panel External I/O	1x DVI-I+1x DisplayPort connector 1x Audio jack for Line-out 4x USB 3.0 ports, 2x USB 2.0 ports 1x Red HDD LED, 1x green power LED 2x Error LED by programming 1x Power button 1x 2-pin terminal block for external power button 1x RS232/422/485 port for COM#1 1x RS232 port for COM#2 2x RJ45 Gigabit Ethernet port 1x 3-pin DC-in terminal block for 24V
Expansion Slots	1x mini-PCI-E 1x PCI-E(x8) 1x PCI-E(x4) 4ch. HDMI Capture Card
Storage	2x 2.5" SSD+1x mSATA socket
Mounting	Desktop or wall mounting (wall mount kit included) Side mounting DIN-rail mounting (optional)
Dimensions	275mm (W) x 140mm (D) x 117mm (H) 10.83" (W) x 5.51" (D) x 4.61" (H)
Operating Temperature	-10°C to 60°C (14°F~140°F) *With Air flow -10°C to 50°C (14°F to 122°F) without Air flow
Storage Temperature	-20°C to 80°C (-4°F to 176°F)
Relative Humidity	5~90% @ 45°C, (non-condensing)
Vibration	Non-Operating: 1.0 grms / 5~500Hz / random operation Operatiing: 0.25 grms / 5~500Hz / random operation
Certification	CE / LVD / FCC Class B

SC550N4 HDMI Capture Card Specifications	
Max. FPS	1920x 1200p @60/50fps in → 1920 x 1200p @60/50fps out 1920x 1080p @60/50fps in → 1920 x 1080p @60/50fps out
Recording Mode	Software Compression, Real-Time Mode
Dimension	130.49mm x 101.02mm (PCI-E Full Height)
Interface	4x PCI-E (Gen2)
Display Video Format	YV12, NV12, YUY2, RGB24, RGB32
Video RAW Data Resolution	1920 x 1200p @60/50fps 1920 x 1200p @30/25/24fps 1920 x 1080p @60/50fps 1920 x 1080p @30/25/24fps 1920 x 1080i @60/50fps 1280 x 720p @60/50fps 1280 x 1024p @60fps 1280 x 960p @60fps 1024 x 768p @60fps 800 x 600p @60fps 640 x 480p @60fps 720 x 480p @60fps 720 x 576p @50fps 720 x 480i @60fps 720 x 576i @50fps
Recording Video Format	H.264 (Software Compression)
Recording Video Resolution	1920 x 1200p @60/50fps 1920 x 1200p @30/25/24fps 1920 x 1080p @60/50fps 1920 x 1080p @30/25/24fps 1920 x 1080i @60/50fps 1280 x 720p @60/50fps 1280 x 1024p @60fps 1280 x 960p @60fps 1024 x 768p @60fps 800 x 600p @60fps 640 x 480p @60fps 720 x 480p @60fps 720 x 576p @50fps 720 x 480i @60fps 720 x 576i @50fps
Audio Input	4x HDMI Embedded Audio PCB Audio Pin Input: 4x Stereo Audio

Remarks: 1. Specifications are subject to change without prior notice. 2. ODM/OEM is available. 3. For user's manual & datasheet download, visit www.ibase.com.tw.

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Audio Format	Stereo / 16-bit / 32000Hz ~ 48000Hz
I/O	16
WatchDog	Yes
SDK	Supports API : DirectShow, V4L2, FFmpeg, Gstreamer Supports Language : C++, C#,.NET, Visual Basic, Qt, Delphi
OS Support	Windows 7 / Windows 8 / Windows 8.1/ Windows 10 Linux 2.6.14 or Higher (32-bit and 64-bit)
UF-X108CT Camera Specifications	
Sensor	SONY IMX236L QJ
Senor Size	1/2.8" Color COMS
Pixel Size	2.8um x 2.8um
Effective Pixels	2.0 Megapixel
Resolution (Max)	1920(H) x 1080(V)
Frame Rate	12 bit 60 frames/s
Shutter	Rolling Shutter
Interface	HDMI A type
Power Requirement	DC 12V ±10% / 1.0A
Lens Mount	C-mount

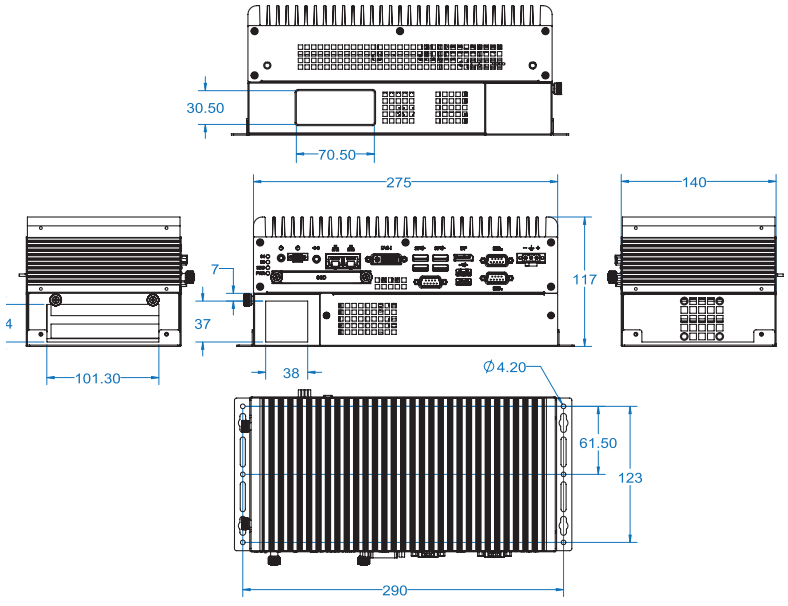
Ordering Information

MAI602-EDU	Fanless System w/ Intel® Core™ i5-6500TE (2.3GHz) CPU, 2x 4GB DDR4 SO-DIMM, 1x 2.5" 128GB MLC industrial-grade SSD, IP303 riser card, 1x Myriad X VPU card, 1x 4-ch HDMI Capture card, 1x Compact Full HD Camera, w/o power adaptor
UF-X018CT	Full HD Camera
Power adaptor	180W (24V @7.5A) power adaptor, bare wire type

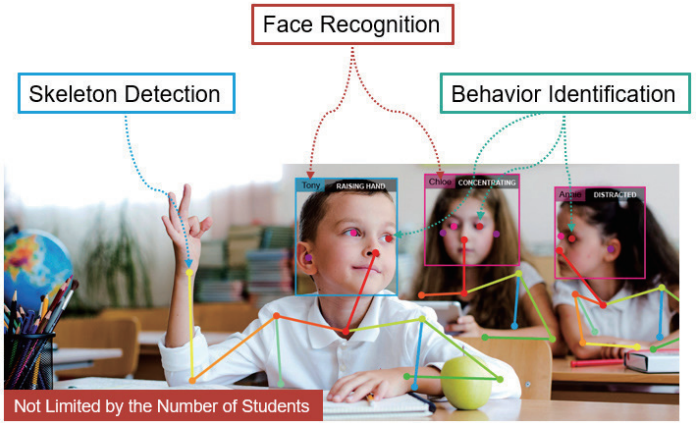
Recommended Processor list

Model	TDP	Base Freq	Turbo Freq	Cache	Cores / Threads
i7-7700T	35W	2.9 GHz	3.8 GHz	8M	4/8
i7-6700TE	35W	2.4 GHz	3.4 GHz	8M	4/8
i5-7500T	35W	2.7 GHz	3.3 GHz	6M	4/4
i5-6500TE	35W	2.3 GHz	3.3 GHz	6M	4/4
i3-7101TE	35W	3.4 GHz	N/A	3M	2/4
i3-6100TE	35W	2.7 GHz	N/A	4M	2/4
G4400TE	35W	2.9 GHz	N/A	3M	2/2
G3900TE	35W	2.6 GHz	N/A	2M	2/2

System Dimension



AI Education Platform Introduction



With the aid of facial recognition, students' behavior and class engagement become quantifiable data that can be used to promote effective teaching in an educational environment.