

ECS-5600-3V

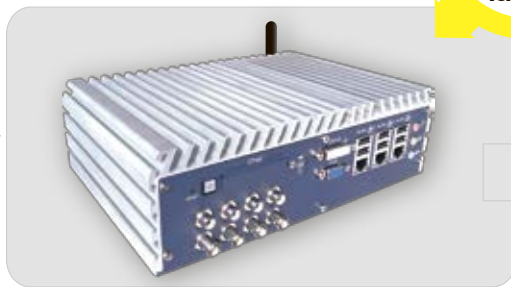
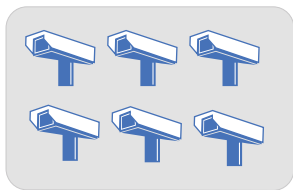
High-Performance, Fanless, Extended Temp. Embedded System with Video Capture Card & 2nd Gen Intel® QM67 Quad Core™ i7 / i5 / i3 Sandy Bridge Processor



- 2nd Gen Intel® Quad Core™ i7/i5/i3 Sandy Bridge Mobile Processor
- Rugged, Fanless, -25 °C to 70 °C Operation Temperature
- Support 2 DDR3 RAM, up to 16GB
- QM67 System Chipset
- 4CH 120/100 fps D1 Resolution Video Capture
- Rich I/O: 4 COM, 6 USB, 2 Mini-PCIe, SIM Card Socket
- 3 GbE LAN for Extend Internet Application
- Dual Display: DVI-D / HDMI and VGA
- 2 eSATA For External Large Capacity HDD
- 2 SATA III (6Gbps) 2.5" HDD / SSD Trays

ECS-5600-3V, Extended Fanless Embedded System, with integrated 2nd Gen Intel® Quad Core™ i7, i5, i3, and Celeron® Sandy Bridge mobile series processor equipped with maximum 5 GbE LANs, DVI-D/HDMI and VGA dual display, CFast, dual channel maximum 16GB 1333/1066MHz DDR3 SO-DIMM slots, 2.5" SATA III (6Gbps) HDD/SSDs, SATA II (3Gbps), and 2 eSATA ports enable operating under -25°C to +70°C extended temperature. The new 2nd Gen Intel® Core™ processors offer embedded designers a number of important upgrades including multiple CPU cores, an integrated graphics processor, Intel® virtualization technology, Intel® Turbo Boost Technology, and remote management support. For vivid graphic enhancement, Intel® HD graphics engine supports H.264/AVC-MPEG2/VC1, DirectX 10.1 and OpenGL 3.0. Designed for harsh operational environments and high performance applications requiring expansion flexibility and data security, the ECS-5600-3V is suited for a broad range of embedded video applications, including security surveillance, mobile DVR, and intelligent transportation systems.



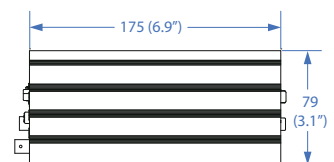
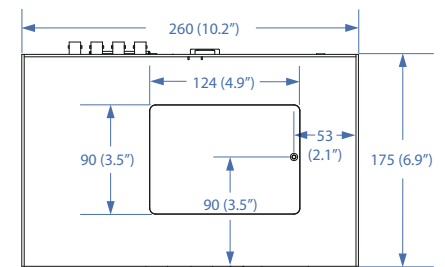
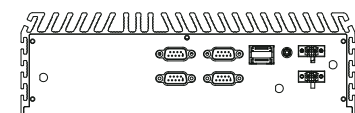
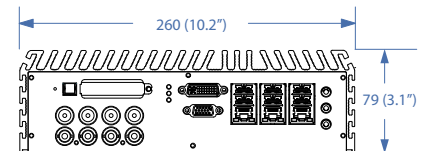
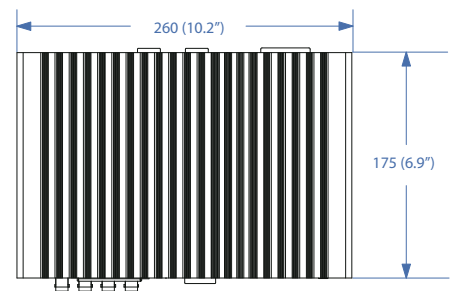


*Optional add-on Mini-PCIe cards for wireless app.

Specification

System	
CPU	2 nd Generation Intel® Mobile Quad Core™ i7 / i5 / i3 and Celeron® Sandy Bridge Processor
Chipset	Intel® QM67
BIOS	Phoenix UEFI BIOS
SIO	Nuvoton NCT6106D
Memory	DDR3 1333 / 1066MHz Max. 16GB, 2 204-pin SO-DIMM Sockets
I/O Port	
Serial Interface	3 COM RS-232, 1 COM RS-232/485/422
USB Interface	6 USB Ports, Compliant with USB 2.0
LED	Power/Suspend, HDD, and WDT LED
GPIO	8 DI / 8 DO
Expansion	
Mini PCIe	2 Mini PCIe, 1 SIM Socket on 1 Mini PCIe Interface
Graphics	
Chipset	Intel® GMA HD 3000
Display Memory	Shared Memory, Up to 1.7GB
Interface	VGA + DVI-D / HDMI Onboard VGA, Supports Max. Resolution 2048 x1536 (@60Hz) Onboard DVI-D, Supports Max. Resolution 1920 x1200
Storage	
SATA	2 Bottom SATA III (6Gbps) 2.5" HDD / SSD Drive Bays SATA II (3Gbps) Slot, Supports IDE / AHCI Mode
Storage Expansion	CFast Slot, External Hot-swap, Push In / Out Ejector
eSATA	2 eSATA Ports
Audio	
Audio Codec	Realtek ALC892, 5.1 Channel HD Audio
Audio Interface	Line-in, Line-out, Mic-in, Front Audio Header
Maximun Channel No.	4 Mono or 2 Stereo
Input Connector	4 Input RCA on Board
Video	
Maximun Channel No.	4
Input connector	4 input BNC on board
Resolution	D1 (NTSC:720x480 / PAL:720x576), CIF (NTSC:360x240 / PAL:360x288) 4CIF (NTSC:704x480 / PAL:704x576), DCIF (NTSC:528x320 / PAL:528x384) QCIF (NTSC:180x120 / PAL:180x144), 4CH with full D1 resolution
Recording Rate	120 fps on NTSC system, 100fps on PAL system
Ethernet	
LAN1	Intel® 82574L Gigabit LAN
LAN2	Intel® 82574L Gigabit LAN
LAN3	Intel® 82574L Gigabit LAN
Power	
Power Input	DC Jack, 2-pin Terminal Block
Power Input Voltage	DC-IN 6 ~ 36V
Power Adapter	AC to DC +24V / 3.75A. 90W Max. (Optional)
Other	
Watchdog Timer	Reset: 1 to 255 sec/min Per Step
HW Monitor	Temperature/ Voltages Auto Throttling Control When CPU Overheats
Mechanical	
Chassis Construction	Aluminum Housing
Size(W x D x H)	260mm x 175mm x 79mm (10.2" x 6.9" x 3.1")
Weight	2.8Kg (6 lb)
Mounting	Wall-mount by Mounting Bracket
Environment	
Operating Temperature	-25°C to 70°C (-13°F to 157°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	10% to 95% Humidity, Non-condensing
Vibration	Operating, 5 Grms, 5-500 Hz, 3 Axes (w/ SSD, According to IEC60068-2-64)
Shock	Operating, 50 Grms, Half-sine 11 ms Duration (w/ SSD, according to IEC60068-2-27)
EMC	CE, FCC, RoHS, EN50155 & EN50121-3-2

*All product specifications & photos are subject to change without prior notice.



Unit: mm (inch)

Order Information

Part Number	Description
ESC-5600-3V	3 GbE Lan Fanless Embedded Controller, 2 HDD and 4-CH, 120 fps, Video Capture Card
Option	
NVTE3G	3G module , MiniPCI-e, W / HSPA+ / UMTS 850/900 / AWS / 1900 / 2100 MHz, EGPRS 850 / 900 / 1800 / 1900 MHz
DN WiFi	802.11n a / b / g WiFi, 2Tx / 2R, Mini-PCIe