



EC70A-SU

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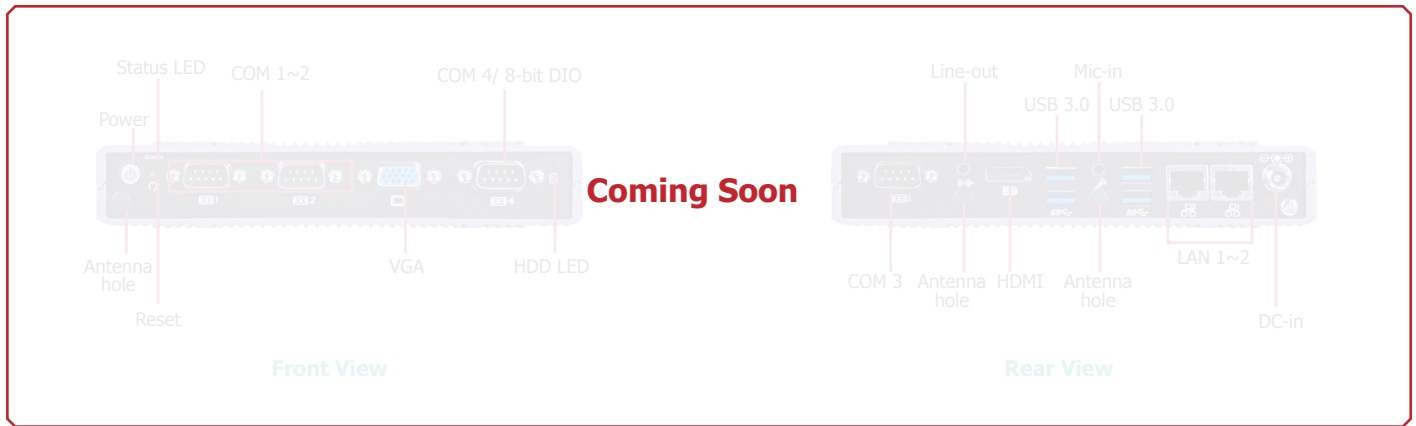


► Features

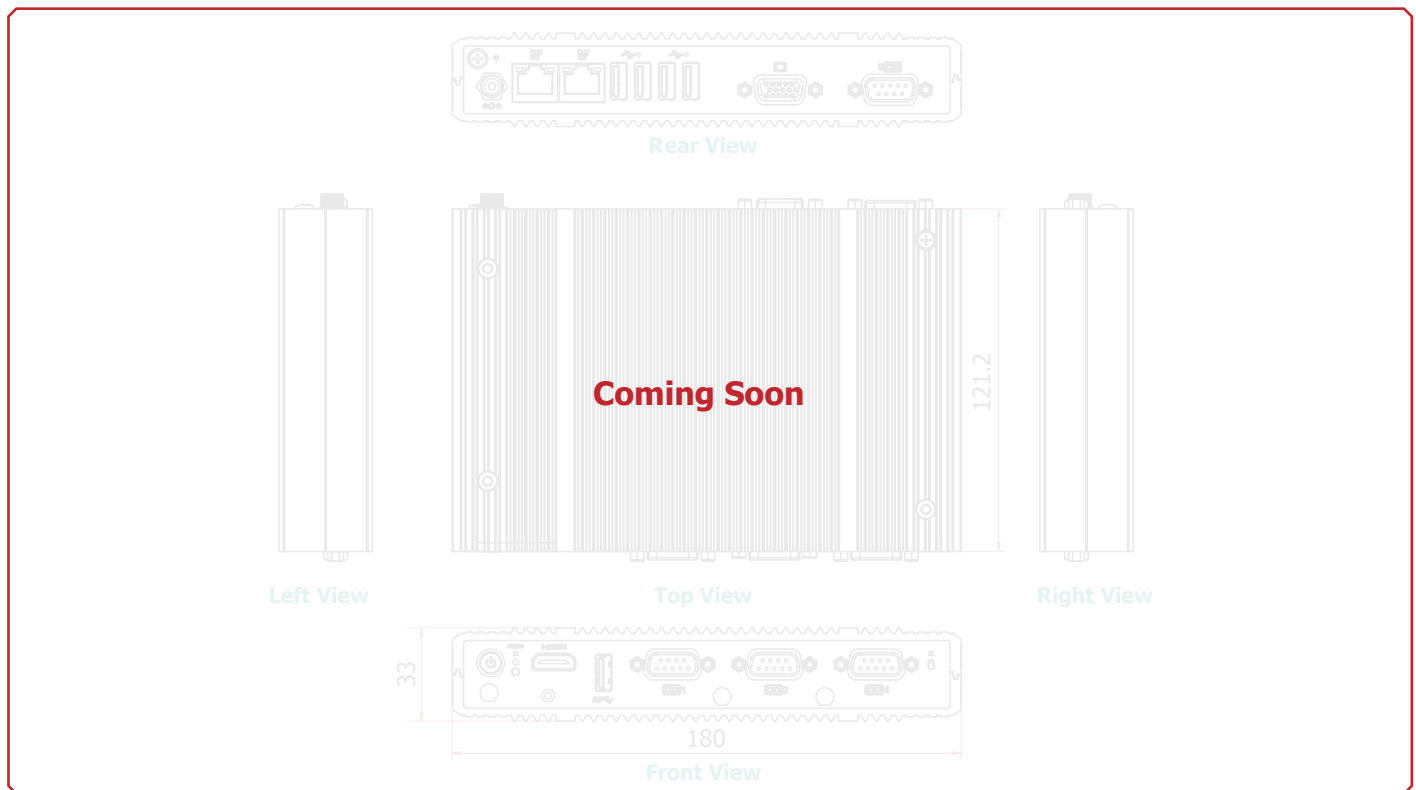
- Compact and Fanless Embedded System
- 4GB/8GB DDR4 memory onboard
- 1x 2.5" SATA 3.0 drive bay
- Supports 2 Mini PCIe for wireless application
- Rich I/O ports: 2 Intel GbE, 4 COM, 4 USB 3.0



► Panel



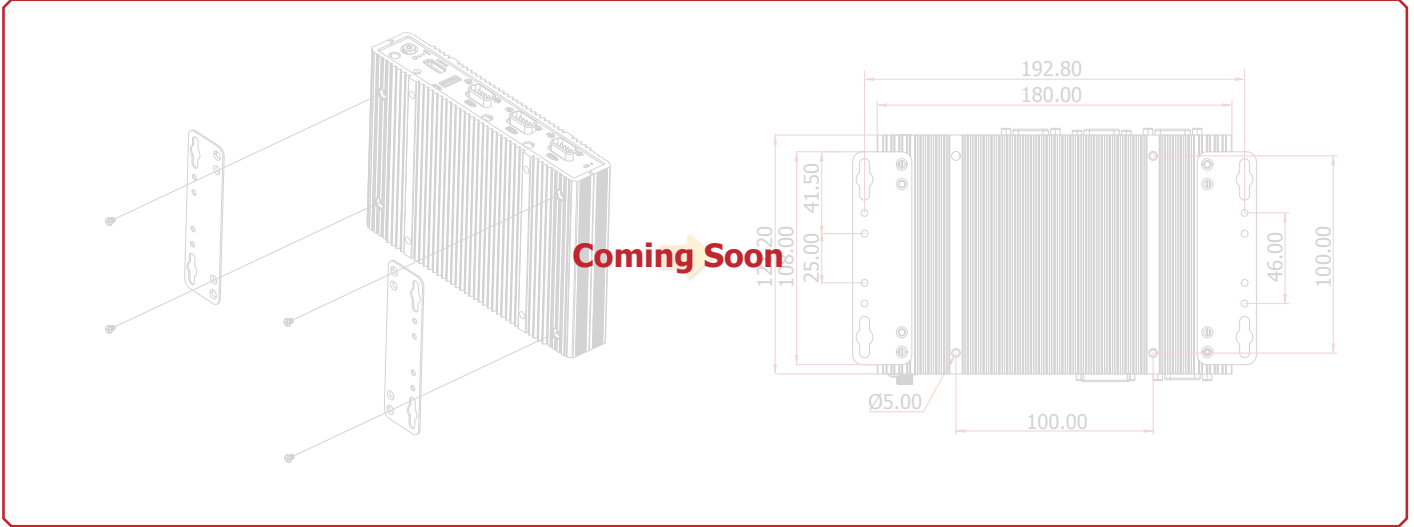
► Dimensions



► Specifications

SYSTEM	Processor	6th Generation Intel® Core™ Processors, BGA 1356 Intel® Core™ i7-6600U Processor, Dual Core, 4M Cache, 2.6GHz, 15W Intel® Core™ i5-6300U Processor, Dual Core, 3M Cache, 2.4GHz, 15W Intel® Core™ i3-6100U Processor, Dual Core, 3M Cache, 2.3GHz, 15W	
	Memory	4GB/8GB Memory Onboard	Dual Channel DDR4 1600MHz
	BIOS	Insyde SPI 128Mbit	
	GRAPHICS	Controller	Intel® HD Graphics GT Series
GRAPHICS	Feature	OpenGL 5.0, DirectX 12, OpenCL 2.1 HW Decode: AVC/H.264, MPEG2, VC1/WMV9, JPEG/MJPEG, HEVC/H265, VP8, VP9 HW Encode: AVC/H.264, MPEG2, JPEG, HEVC/H265, VP8, VP9	
	Display	1 x VGA 1 x HDMI	VGA: resolution up to 2560x1600 @ 60Hz HDMI: resolution up to 4096x2160 @ 24Hz or 2560x1600 @ 60Hz
	Dual Displays	VGA + HDMI	
	STORAGE	External/Internal	1 x 2.5" SATA 3.0 Drive Bay
EXPANSION	Interface	1 x Full-size Mini PCIe (PCIe/USB) 1 x Half-size Mini PCIe (PCIe/mSATA)	
AUDIO	Audio Codec	Realtek ALC888 5.1-channel	
ETHERNET	Controller	1 x Intel® I210AT PCIe (10/100/1000Mbps) 1 x Intel® I219LM with iAMT11.0 PCIe (10/100/1000Mbps) (only Core i7/i5 supports iAMT)	
LED	Indicators	1 x Power LED 1 x HDD LED	
FRONT I/O	Serial	3 x RS-232/422/485 (DB-9) (one supports 8-bit DIO)	
	Display	1 x VGA	
	Buttons	1 x Power Button 1 x Reset Button	
	Wi-Fi Antenna	1 x Wi-Fi Module Antenna Hole	
REAR I/O	Ethernet	2 x GbE (RJ-45)	
	Serial	1 x RS-232/422/485 (DB-9)	
	USB	4 x USB 3.0 (type A)	
	Display	1 x HDMI	
	Audio	1 x Line-out 1 x Mic-in	
	Wi-Fi Antenna	2 x Wi-Fi Module Antenna Hole	
WATCHDOG TIMER	Output & Interval	System Reset, Programmable via Software from 1 to 255 Seconds	
POWER	Type	Wide Range 15~36V	
	Connector	DC Jack	
OS SUPPORT		Windows 7 (32/64-bit) Windows 8.1 (64-bit) Windows 10	WES 7 WE8S
MECHANISM	Construction	Aluminum + Metal Aluminum	
	Mounting	Wall/VESA/DIN Rail Mount	
	Dimensions (W x H x D)	TBD	
	Weight	TBD	
ENVIRONMENT	Operating Temperature	0 to 50°C (SSD/mSATA)	0 to 40°C (HDD)
	Storage Temperature	-20 to 85°C	
	Relative Humidity	5 to 95% RH (non-condensing)	
STANDARDS AND CERTIFICATIONS	Shock	Operating: 3G, 11ms Non-Operating: 5G, 11ms	
	Vibration	Operating: Random 5~500Hz, IEC68-2-64 (3G) (SSD/mSATA), IEC68-2-64 (0.5G) (HDD) Non-Operating: Sine 10~500Hz, IEC68-2-6 (3G) (SSD/mSATA), IEC68-2-6 (1G) (HDD)	

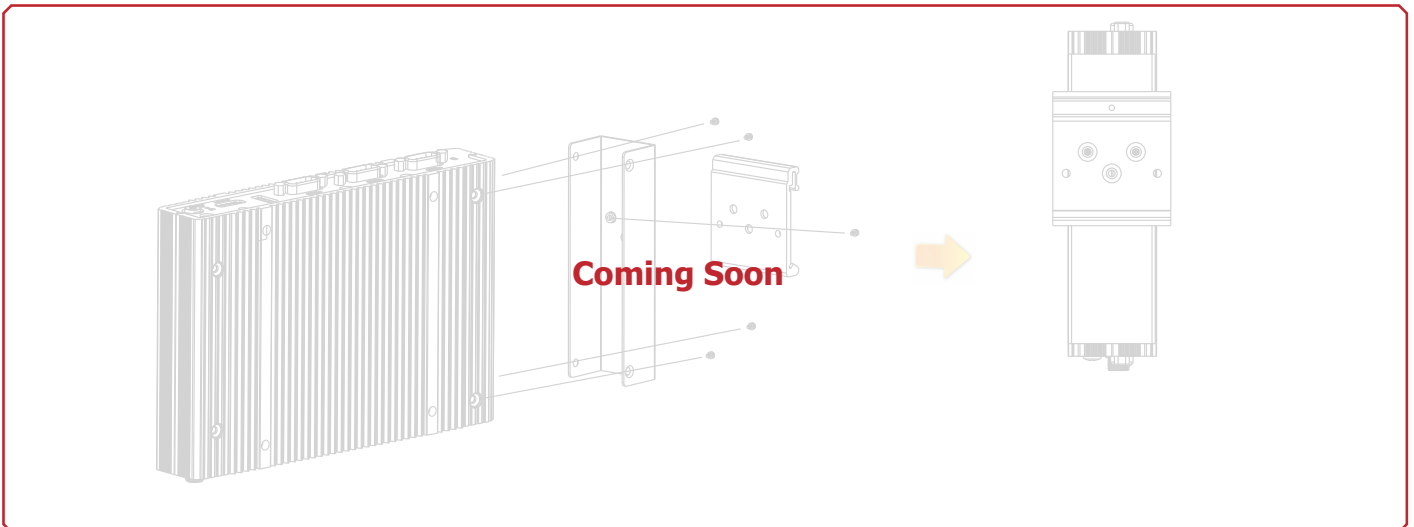
► Wall Mounting



► VESA Mounting



► DIN Rail Mounting



► Ordering Information

Model Name	Part Number	Description
EC70A-SU4041-614	TBD	Fanless, Intel Core i3-6100U, 1 HDMI, 1 VGA, 2 LAN, 4 COM, 4 USB, 4GB DDR4 onboard
EC70A-SU4041-618	TBD	Fanless, Intel Core i3-6100U, 1 HDMI, 1 VGA, 2 LAN, 4 COM, 4 USB, 8GB DDR4 onboard
EC70A-SU4041-634	TBD	Fanless, Intel Core i5-6300U, 1 HDMI, 1 VGA, 2 LAN, 4 COM, 4 USB, 4GB DDR4 onboard
EC70A-SU4041-638	TBD	Fanless, Intel Core i5-6300U, 1 HDMI, 1 VGA, 2 LAN, 4 COM, 4 USB, 8GB DDR4 onboard
EC70A-SU4041-664	TBD	Fanless, Intel Core i7-6600U, 1 HDMI, 1 VGA, 2 LAN, 4 COM, 4 USB, 4GB DDR4 onboard
EC70A-SU4041-668	TBD	Fanless, Intel Core i7-6600U, 1 HDMI, 1 VGA, 2 LAN, 4 COM, 4 USB, 8GB DDR4 onboard

► Optional Items

Optional Items	Part Number	Description
HDD	785-H25500G	2.5" SATA HDD, 500GB, RoHS
	785-H25320G	2.5" SATA HDD, 320GB, RoHS
	785-S251TBG	2.5" SATA SSD, 1TB MLC, RoHS
	785-S25512G	2.5" SATA SSD, 512GB MLC, RoHS
	785-S25256G	2.5" SATA SSD, 256GB MLC, RoHS
	785-S25128G	2.5" SATA SSD, 128GB MLC, RoHS
	785-S25064G	2.5" SATA SSD, 64GB MLC, RoHS
	635-604802-100G	2.5" Intel SSD SC2BW480H601, 480GB, RoHS
mSATA	785-MS128GMF	mSATA Card, 128GB MLC, RoHS
	785-MS64GMF	mSATA Card, 64GB MLC, RoHS
	785-MS32GMF	mSATA Card, 32GB MLC, RoHS
	785-MS16GMF	mSATA Card, 16GB MLC, RoHS
	785-MS08GMF	mSATA Card, 8GB MLC, RoHS
	785-MS04GMF	mSATA Card, 4GB MLC, RoHS
Wi-Fi	761-110091-000G	Wi-Fi Kit, RoHS
3G + GPS	612-110040-600G	3G + GPS Kit, RoHS
Power Cord	785-PWRD	Power Cord, Standards (USA/EUR/CH), 1.8m, RoHS
Power Adapter	671-106012-000G	60W, 12V/5A, Level 6, RoHS
	671-106011-000G	60W, 19V/3.15A, Level 6, RoHS
	671-106013-000G	60W, 12V/5A (-30 to 70°C), Level 6, RoHS
Wall Mount	761-EC8000-000G	EC700/800 Wall Mount Kit, RoHS
VESA Mount	761-EC7000-100G	EC700 VESA Mount Kit, RoHS
DIN Rail Mount	761-EC8000-200G	EC700/800 DIN Rail Mount Kit, RoHS

► Packing List

• 1 EC70A-SU system unit
• Mounting screws for SATA drive
• Mounting screws for Mini PCIe module
• 1 Quick Installation Guide
• 1 CD disk includes:
- Drivers / Manual