



## Rugged design for industrial applications in harsh environments

### IE-SK500



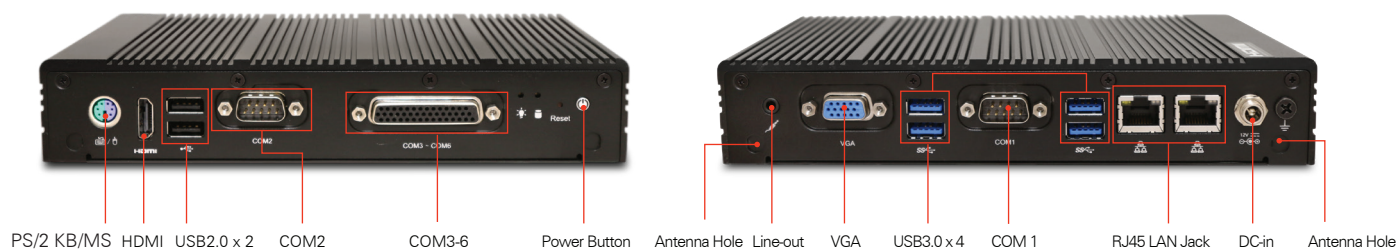
The IE-SK500 has a 6th generation Intel® Core™ CPU and up to 8GB of DDR4 memory with a low-voltage input. This industrial PC has a wide operating temperature range of 0 ~ 50°C and a storage temperature of -30 ~ 70°C.

The IE-SK500 has a unique combination of I/O ports within the AOPEN portfolio. It has two DB9 COM ports, but also a DB44 COM port. Just like the IE-AP300 the IE-SK500 has 6 USB ports (4 x USB3.0 and 2 x USB2.0), but unlike the IE-AP300 it has a PS/2 port for keyboard as well as mouse.

The IE-SK500 features :

- + 6th Generation Intel® Core™ CPU
- + Supports 6 COM Ports
- + PS/2 connector
- + High input voltage

# IE-SK500



Model name		IE-SK500
Features		
CPU		Intel® 6th Skylake U series core i CPU
Dimension		209.8(W) x 38.2(H) x 120(L) mm MB:185 x 115mm
External I/O		Support 1 x RS232, 1 x RS232/422/485, 4 x RS232/485, 1 x VGA, 1 x HDMI, 2 x USB2.0, 4 x USB3.0, 2 x RJ45, 1 x PS/2 (KB+MS), DCIN 12-28V, 4 x antenna hole, 1 x Line-out
Internal I/O		Built-in 1 x M.2 2230 slot for Wifi module, 1 x M.2 2242 slot for SATA SSD, 1 x Full size Mini PCIe slot for mSATA
Storage		1 x mini PISATA 1 x M.2 2242 SATA 1 x 2.5" SATA
Certification		Complete certification for EMC and Safety UL, CB, CCC, CE, FCC, RoHS
Supports OS		Windows 10 IoT 2016 LTSB
IoT SW integration (AiCU)		-
Warranty		3 years
Specifications		
Processor System	CPU	Intel® Skylake U i5-6200U
	L2 Cache	3MB
	BIOS	AMI UEFI
Memory	Technology	Dual channel DDR4 2133MHz, up to 8GB
	Socket	On Board memory down
Graphics	Chipset	Intel® Skylake SoC Intel® HD Graphics 520
	Interface	HDMI1.4 x 1 max resolution up to 3840 x 2160@30Hz VGA x 1: max resolution up to 1920 x 1200@60Hz

Ethernet	LAN	Support Dual 10/100/1000Mbps LAN LAN 1: Intel I211AT LAN 2: Intel I211AT
I/O Interface	Serial Ports	COM1:RS232, COM2:RS232/422/485 switch by BIOS COM3~COM6:RS232/485 switch by BIOS
	USB Interface	2 x USB2.0, 4 x USB 3.0
	SATA	SATA x 1
	TPM	-
Expansion	Mini PCIe	Built-in 1 x M.2 2230 slot for Wifi module, 1 x M.2 2242 slot for SATA SSD, 1 x Full size Mini PCIe slot for mSATA
Storage	2.5" SSD	1 x SATA SSD bay
	mSATA	1 x Full size Mini PCIe slot for mSATA
Power Requirement	Power Input Voltage	DC 12-28V
	Power Adaptor	AC to DC 12V / 5A 60W
Power Consumption	Typical	30W
	Max	35W
	Power Type	ATX
Mechanical	Construction	Aluminum + SECC
	Mounting	L Type wall mount
Weight	Net Weight	1.62Kg
	Gross Weight	1.94Kg
Environment		
Operating Temperature		0~50°C
Storage Temperature		-30~70°C
Relative Humidity		90% RH (50°C non-condensing)
Vibration During Operation		2.20G/Random 10min per axis in all 3 axes
Shock During Operation		Half sine, 40G, 2~3 ms duration
EMC		CE/FCC Class B
Safety Certifications		CB, UL, CCC

Supports:



The specifications depicted may be subject to change without prior notice. All trademarks are copyright of their respective owners. © AOPEN Inc.