

# PER361A PER361A

INTEL 6TH GEN. SKYLAKE®  
CORE™ I3 PROCESSOR  
FANLESS SYSTEM

Extended  
Temperature  
+60°C  
-20°C

- MIL-STD 810G COMPLIANCE
- 6TH GENERATION INTEL® CORE™ I3-6100U SKYLAKE PROCESSOR
- 2 X DDR4 SO-DIMM UP TO 32GB RAM
- 2 X CAN BUS
- 4 X INTEL® GIGABIT ETHERNET
- 4 X USB, 1 X COM PORT
- 9V TO 36V DC-IN
- OPERATING TEMP. -20~60°C

## SPECIFICATIONS

SPECIFICATIONS	
High Performance Processor	Intel® 6th Gen Core™ i3-6100U (3M Cache, 2.30 GHz) Build-in HD Graphics 520 for excellent 3D, Turbo Boost Technology 2.0, VPro and Hyper-Threading support
Memory	2 x DDR4 SO-DIMM up to 32GB
Chipset	Intel® Processor Integrated
STORAGE	
2.5" HDD/SSD	1 x 2.5" HDD/SSD
ETHERNET	
Ethernet	4 x Intel Gigabit Ethernet LAN Interfaces (10/100/1000Mbps)
REAR I/O	
DisplayPort	2 x DisplayPort
Ethernet	4 x RJ45 Gigabit Ethernet LAN
Serial Port	1 x DB9 connector (RS-232 w/5V,12V selectable)
CAN bus	2 x DB9 connector (Optional)
USB Port	4 x USB3.0 standard-A connectors
Button	1 x Power Button
DC-IN	4P Rugged Terminal connector
Indicator LED	Power LED, HDD LED
FRONT I/O	
2.5" HDD/SSD Tray	1 x Easy Swap 2.5" HDD/SSD Tray

APPLICATIONS, OPERATING SYSTEM	
Applications	Commercial and Military Platforms Requiring Compliance to MIL-STD-810G Embedded Computing, Process Control, Intelligent Automation and manufacturing applications where Harsh Temperature, Shock, Vibration, Altitude, Dust and EMI Conditions. Used in all aspects of the military.
Operating System	Windows 8 , Windows 8.1 , Windows 10 Ubuntu14.04, Ubuntu 16.04
PHYSICAL	
Dimension (W x D x H)	200 x 140 x 90.6mm (TBD)
Weight	TBD
Chassis	Aluminum Alloy, Corrosion Resistant.
Finish	Anodic aluminum oxide (Color Iron gray)
Cooling	Natural Passive Convection/Conduction, No Moving Parts.
Operating Temp.	-20 ~ +60°C
Storage Temp.	-40 ~ +85°C
ENVIRONMENTAL	
MIL-STD-810G Test	Method 507.5, Procedure II (Temperature & Humidity) Method 516.6 Shock-Procedure V Non-Operating (Mechanical Shock) Method 516.6 Shock-Procedure I Operating (Mechanical Shock) Method 514.6 Vibration Category 24/Non-Operating (Category 20 & 24, Vibration) Method 514.6 Vibration Category 20/Operating (Category 20 & 24, Vibration) Method 501.5, Procedure I (Storage/High Temperature) Method 501.5, Procedure II (Operation/High Temperature) Method 502.5, Procedure I (Storage/Low Temperature) Method 502.5, Procedure II (Operation/Low Temperature) Method 503.5, Procedure I (Temperature shock)
Shock & Vibration	Vibration: Operating, 3G random, 5~500Hz Shock: Operating, 50G, half sine wave
Reliability	No Moving Parts; Passive Cooling Designed & Manufactured using ISO 9001/2000 Certified Quality Program
EMC	CE and FCC compliance
Green Product	RoHS, WEEE compliance

## ORDERING INFORMATION

### PER361A

**MIL-STD-810G RUGGED COMPUTER WITH INTEL® CORE I3- 6100U,  
4 x INTEL GBE, 1 x COM, 2 x CAN BUS, 9V TO 36V DC-IN,  
EXTENDED TEMP -20 TO 60°C**