KODIAK-620 INDUSTRIAL COMPUTER

SPECIFICATIONS

PROCESSOR

- Intel® i7™ (7600) Dual Core
- 3.9GHz (Burst); 2.8GHz Clock
- 4MB Cache
- Intel® Gen9™ HD Graphics
- 16GB SO-DIMM DDR4 RAM

STORAGE

- 250GB Integrated SSD

SYSTEM INPUTS/OUTPUTS

- VGA Output (1)
- Serial RS232 Ports (4)
- GPIO (5) as (4) Digital Inputs, (1) Digital Output
- Ethernet: (1) Source, (4) Unmanaged
- USB 3.0 Ports (2); USB 2.0 Ports (3)
- Audio Output (1)

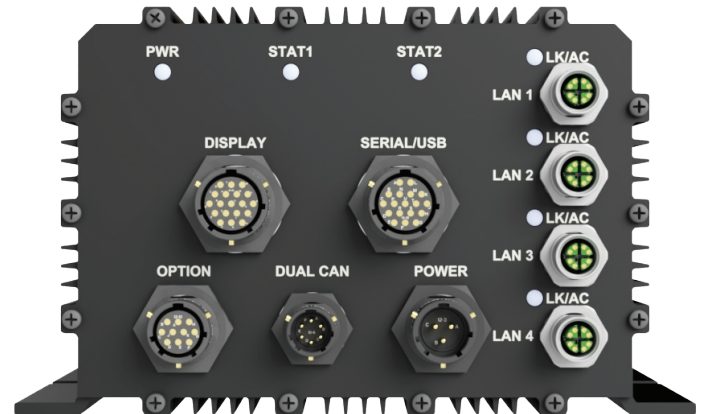### OPERATING SYSTEM COMPATIBILITY

- Linux
- Windows10®
- Windows10® IoT Enterprise
- OS sold separately or Client-provided

POWER

- 10-36 VDC Voltage Input
- Protected against Drop Out, Load Dump, Reverse Polarity and Transients
- UPS with 60 - 120 Second Capacity*
  * - Dependent on Current Load

WIRELESS OPTIONS

- Cellular: GSM/GPRS/LTE Support (Client-provided)
- WiFi: 802.11b/g/n Long-Range

OPTIONAL FEATURES

- Up to 4TB Integrated SSD
- High-Precision GPS
- Alternative Processors
- Bluetooth

MISCELLANEOUS

- Dual CANBus 2.0
- Full Scale 3D Accelerometer/Gyroscope/Magnetometer
- GPS: 72-Channel Concurrent GNSS (GPS/GLONASS/Galileo/BeiDou); 2.0M CEP Horizontal Accuracy

PROCESSOR*

Intel® i7™ Dual Core with 3.9GHz (Burst), 2.8GHz Clock; 4MB Cache; 16GB SO-DIMM DDR4 RAM

FEATURES

Intel® Gen9™ HD Graphics

OS: Linux, Windows10®, Windows10® IoT Enterprise (Sold Separately)

TECHNICAL SPECIFICATIONS

System I/O	VGA Output (1); Serial RS232 Ports (4); GPIO (5) as (4) Digital Iputs, (1) Digital Output; ; Ethernet, (1) Source, (4) unmanaged); USB 3.0 Ports (2); USB 2.0 Ports (3); Audio Output (1). Optional: Bluetooth
Storage	250GB Integrated SSD; Optional up to 4TB
Housing	6061 Aircraft Grade Aluminum, Black Hard Anodized
Mount Option	M6 or 1/4-20 SAE
Wide Range DC Power Input†	10-36 VDC; Ground Stud provided
Power Conditioning	Protected against Drop Out, Load Dump, Reverse Polarity and Transients

ENVIRONMENTAL SPECIFICATIONS

IP Rating	IP65 (Protection against penetration of dust; multi-directional water jets)
Operating Temperature	-40°C to 71°C (-40°F to 160°F)
Storage Temperature	-54°C to 71°C (-65°F to 160°F)
Humidity	0-100%
Altitude	45,000 ft.

MILITARY SPECIFICATIONS (TESTS PENDING)

MIL-STD-810	Method 500; Altitude	MIL-STD-810	Method 508; Fungus
MIL-STD-810	Method 501; I & II; High Temperature	MIL-STD-810	Method 509; Salt/Fog
MIL-STD-810	Method 502; I & II; Low Temperature	MIL-STD-810	Method 510; Blowing Sand and Dust
MIL-STD-810	Method 503; Temperature Shock	MIL-STD-810	Method 514; Procedure I, II, V, VI; General Vibration
MIL-STD-810	Method 506; Rain	MIL-STD-810	Method 516; Procedure I, Functional Shock
MIL-STD-810	Method 507; Humidity		

* - Alternative Processor selections and features available upon request.

† - The power range specified covers momentary environmental fluctuations generally found in a mobile environment while display is operating. For power initialization and continual operation, nominal voltages are required.

ON-GOING PRODUCT DEVELOPMENT MAY NECESSITATE DESIGN AND SPECIFICATION CHANGES WITHOUT NOTICE.

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technology in motion