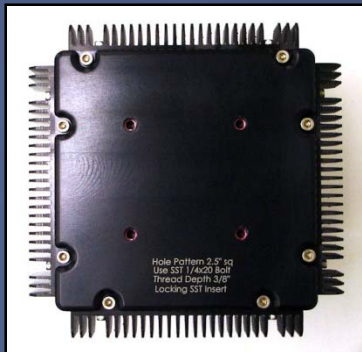


EDGE™ PROCESSOR

EP1™ Instrumentation Computer



EP1™ – EDGE™ Processor

Hardened 7" Cube - Intel ATOM™ - SSD

Windows Xp Pro or Embedded Operating System

Multiple High Band Sensor Interface – XML ICD0100

Processor Features

General:

1.1 GHz – Intel ATOM™
 8-128GB SSD , 1-2 GB DDR2-533
 1000/100/10Base-T Ethernet
 USB v2.0 Ports
 5 PORT Managed Layer 2 Switch
 COM1, COM2, SVGA-Key/Mouse
 Integrated Cooling System

Mechanical:

7" w x 7" d x 7" ht (18 cm)
 8.8 lb (4Kg)
 Bolt Pattern:
 Bottom 4.6" Square (11.7 cm)
 Top 2.5" Square (6.4 cm)
 Camera/Radar/Radio Mount*

Electrical:

MIL Connectors – ICD 700144
 Power IN: 10-35 VDC, 15-35 W
 5 Port Ethernet Switch
 2 NTSC/PAL Video+ 2 Comm
 Customer Defined Harness*
 GigE Vision Interface*

Software*:

Windows Xp OS or Other
 Machine Vision - Protection
 Streaming – Network Centric
 XML ICD0100 Proxy Server
 DVR – Local & Distributed
 Customer Defined

Environmental:

MIL 810 – MS700246 SPEC
 5 Grms, 10-2,000 Hz, Ran, 3 axis
 -40° to +70° C, IP67

Self-Security:

Proximity Detection – (4 PIR IN)
 Strobe Light (SS Relay)
 Siren, Loud Speaker (SS Relay)
 Health Processor (5 mA)
 External Solar/Batt/Load Monitor

Life:

10 Year Expectation
 2 Year Limited Warranty
 Extended Warranty to 10 Year

Shipping Crate:

Cut Foam & Cardboard
 14" w x 14" d x 14" t (36 cm)

* Optional

The EDGE™ processor is an integrated computer platform for instrumentation payloads in rough environments. The housing is aluminum incorporating passive cooling to the high powered semiconductors. MIL connector orientations meet placement challenges. For pole mount, a single MIL on the bottom is matched to the internal vessel harness. For other mounting geometries, there are up to four MIL's at the side [classic structure bracket].

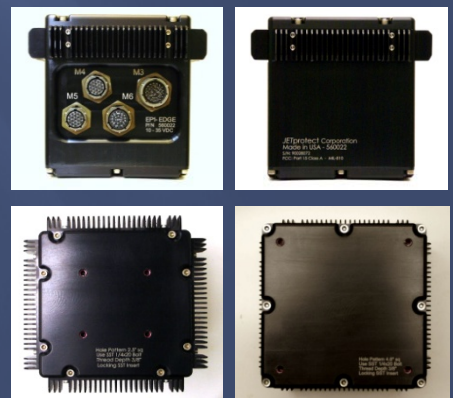
The EDGE™ is a software hosting platform for acquiring and compensating modern sensor signal data. Additionally, discrete digital and analog inputs support local environment proximity and power monitoring. There are two solid state relays for high power actuation.

EDGE™ is the analytic processor, digital video recorder and a distributed component of the ActiveSentry™ C3 solution [command control/coordinate].

A wide range of configuration and customization can be made at the factory at the time of order. Unique I/O capability and pin allocation is part of the solution.



| | | |
|----|-----------|---|
| M3 | Power IN | 10 to 35 VDC, 25W |
| | Ethernet | Powered 100BaseT |
| | USB | v2.0 Master, Powered |
| | Actuation | SolidState Relay |
| M4 | Health | Power Plant Monitor |
| | Power OUT | RAW-Power IN |
| M5 | Ethernet | 100BaseT |
| | USB | v2.0 Slave |
| | Discretes | 4 PIR Sensors IN 2 SolidStateRelay OUT |
| M6 | Power OUT | RAW-Power IN |
| | Video 1 | NTSC/PAL - Powered RS232 |
| M6 | Video 2 | NTSC/PAL - Powered RS422/RS232 |
| | Radar | Ethernet |
| | USB | v2.0 Slave |



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AUTHORIZED INTEGRATOR & RESELLER

