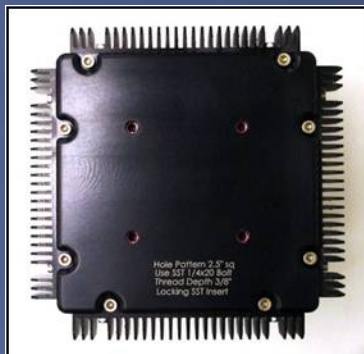


EDGE™ PROCESSOR

EP1™ Instrumentation Computer



Harsh Environment Sensor Payload Processing



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:

1.8 GHz – Intel ATOM™ or i7
8-128GB SSD , 1-4 GB DDR2-533
100/10Base-T Ethernet
USB v2.0 Ports
4 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 810F – MS700246
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).

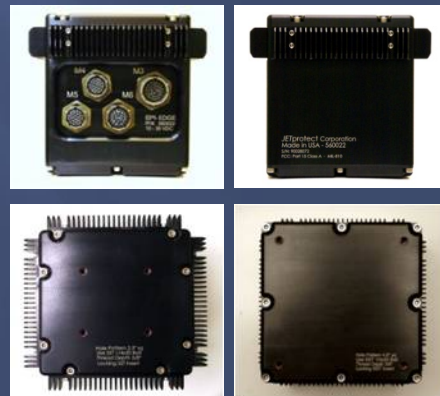
The EDGE™ is a software hosting platform for acquiring and compensating modern sensor signal data. Additionally, discrete digital and analog inputs support local environment proximity and power monitoring. There are two solid state relays for high power actuation.

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 Health	SolidState Relay Power Plant Monitor
M4	Power OUT	RAW-Power
	Ethernet	100BaseT
	USB	v2.0 Slave
	Discretes	4 PIR Sensors IN 2 SolidStateRelay OUT
M5	Power OUT	RAW-Power
	Display/Cntl	MoEYE™ Touch Screen VGA-Keybaord-Mouse
	USB	2 v2.0 Slave
M6	Power OUT	RAW-Power
	Video 1	NTSC/PAL - Powered RS232
	Video 2	NTSC/PAL - Powered RS422/RS232
	Radar	Ethernet
	USB	v2.0 Slave



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