

C-SPU

A rugged, low power sensor hub designed to operate in the harshest of conditions, designed for ease of integration and ready to go out ready.



Rugged, compact and modular computing



The C4i Systems Sensor Processing Unit (C-SPU) is a versatile and robust processing unit providing the user with Dual BioDigitalPC® Credit card sized PC modules, 4 port serial to IP interface and 4 port Gigabit Ethernet switch in an extremely small form factor.

Optimized for harsh Military/Industrial environments, the C-SPU has the ability to consolidate multiple serial and IP sensor feeds into a single IP stream and provide this data either to the twin on-board processing module or transmission over backhaul networks. The C-SPU allows any attached serial or IP devices to be supplied with filtered 12/24vDC outputs directly from C-SPU device ports, reducing cabling and system complexity.



The FIPS140-2 Lvl 3 compliant processing modules are easy to install and upgrade providing piece of mind for security and a robust through life upgrade path, reducing overall cost during its service life.

The C-SPU is robust and durable chassis and can be supplied with varying mounting, colour and power supply options to meet any customer requirements.

Standard Configuration:

- Weight: 8 Kg
- Dimensions mm: 131 x 325 x 240 (H x W x D).

Processing Module

- 2 x BioDigitalPC® slots capable of utilising the latest removable BioDigitalPC processors.
- 2 x Fast ethernet ports per card
- 2 x Serial data ports per card (RS232)
- 2 x USB2.0 ports per card
- VGA output per card

Serial Processing Module

- 4 x Serial IP server Data ports (RS232/422/485) Each port capable of supplying 12 or 24vDC output
- 2 x Gigabit Ethernet ports with 12 or 24vDC output
- 2 x Gigabit Ethernet ports without DC output support.

Supply DC

- Wide range 9-36vDC DC input, regulated 12/24vDC outputs supplying serial/Ethernet attached devices (160watts total)

