

THERMITE®

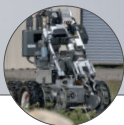
OCTAL



Airborne



Maritime



Land-based



Man-worn

Performance Computing for Every Mission

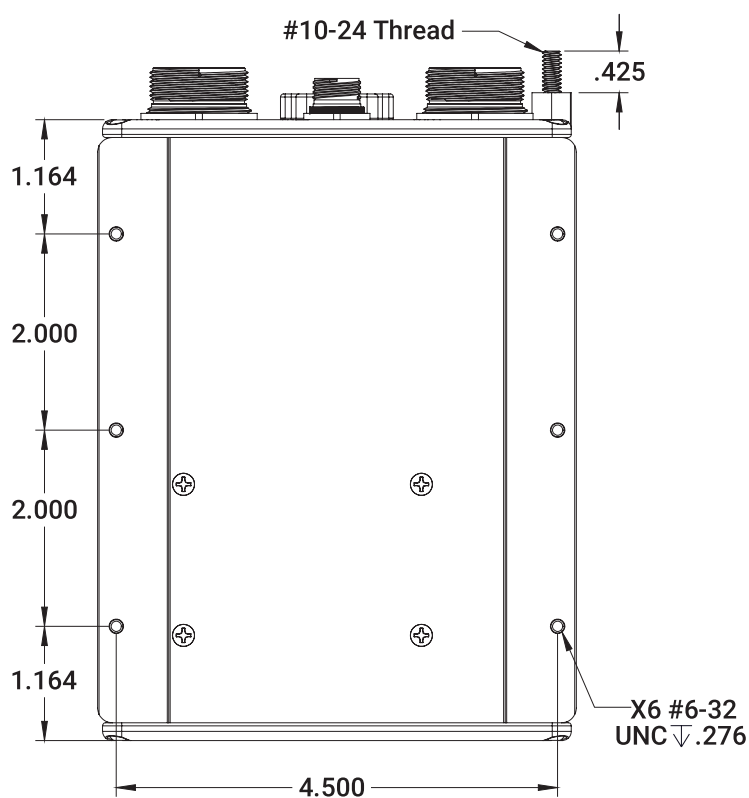
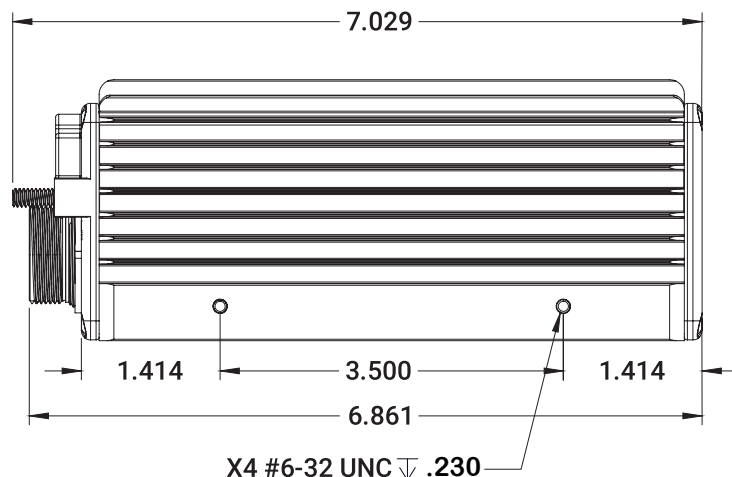
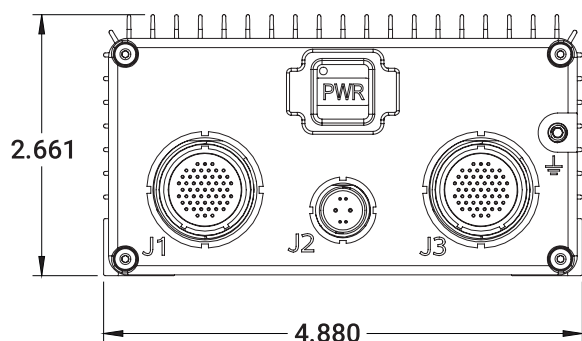
Designed for airborne, land-based, maritime and man-worn deployment, Coda Octopus Engineering's Thermite® Octal is a rugged, Commercial Off the Shelf (COTS), configurable, server-class mission computer. Featuring the Intel® 13th generation Core® i7-13800HRE, 24M Cache, 2.5GHz, with Intel® Iris™ Xe Graphics, this Thermite® is optimized for size, weight and power (SWaP). It is an ideal fit for manned/unmanned mobile platforms and is ruggedized to military environmental standards. The multi-core processor with world-class integrated graphics can support high demand sensor acquisition and graphic processing and is fully configurable to meet a wide range of different mission processing requirements.

- Data- and graphic-intense mission ready with high-performance processing, memory and storage.
- Off-the-shelf value with broad configurability and expandability.
- Size, weight, and power optimized for man-worn and mobile platforms.
- Designed to MIL-STD-810 for extreme use and environments.



THERMITE[®]

OCTAL



CPU	Intel® 13th generation Core® i7-13800HRE with 24M Cache
Graphics	Intel® Iris™ Xe Graphics
Memory	32GB, 64GB, or 96 DDR5 ECC SO-DIMM (configurable)
Storage	256GB mSATA SSD (optional M.2)
Video Output	2X HDMI 1.4 ports
Standard Interfaces (High Configurability)	2-6X USB 2.0 connections; 2-6X Ethernet (4X up to 2.5G) connections; 2X standard optionally configurable multi-serial I/O ports: RS-422, RS-485 or RS-232; Stereo audio in and out (configurable); Other factory configurable GPIO, ADC and/or DAC
Operating System	Windows or Linux
Expandability	M.2; Mini PCIe; MIL-STD-1553; CANBus; Video Capture
Power	12V to 36V input, MIL-STD-1275E compliant; Optional MIL-STD-704 power supply
Ruggedization	Designed to MIL-STD-810 Wide Temperature, Shock and Vibration Designed to MIL-STD-461 EMI/EMC
Thermal	Standard Conduction Cooled; Optional air-cooling using rugged fan shroud

Specifications and dimensions may be subject to change. Please contact us for the most current information. Intel and Xeon are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.
50645-1 Rev D



Coda Octopus
Engineering

Coda Octopus Engineering Inc. is a Qualified Small Business supplier of engineering services and systems with over 40 years of experience developing, supporting and maintaining mission critical defense systems for land, sea and air applications. Our customers achieve faster test and production times, lower failure rates, and more actionable intelligence from their data. Contact us to learn more:

1.801.973.9136 | newbusiness@codaeng.com