

General Purpose Computer (GPC)

PRODUCT INFO

PRODUCT NAME

General Purpose Computer

PRODUCT CODE

AS-240701-TBD

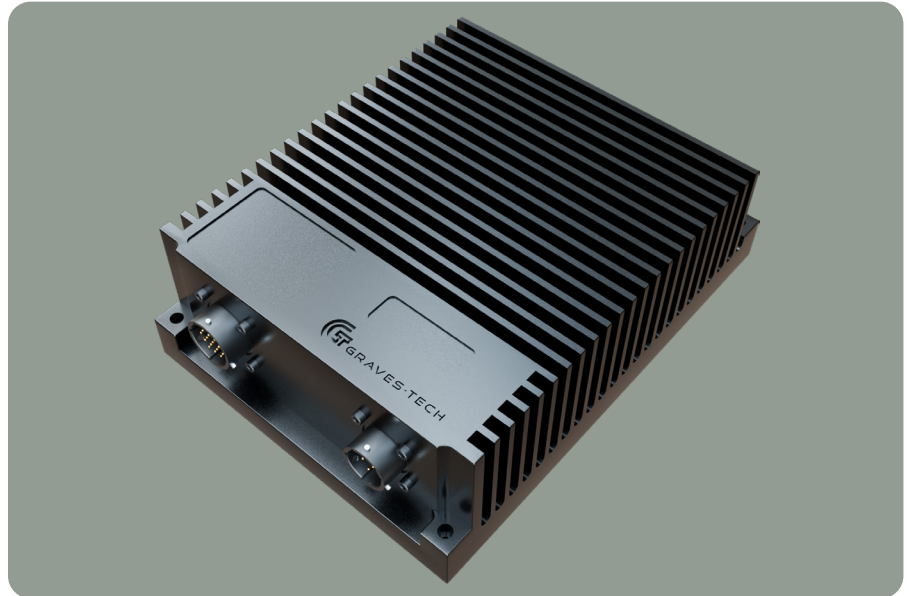
PRODUCT CATEGORY

Rugged Vehicle Computer

Get a Quote

☎ (480) 590-6546

✉ info@graves-tech.com



APPLICATION GUIDELINES

Airborne Systems
Military Vehicles
Combat Management Systems
Industrial Applications
Transportation
Encrypted Communications

PASSIVE COOLED RUGGED COMPUTER

The GRAVES-TECH GPC LRU is a two-piece passive cooled platform that supports a full range of GPC modules and their carrier cards. The GPC LRU includes provisions for a customizable IO module to support various families of connectors and shell sizes including 38999 and 26482. The customizable IO Module provides the required filtering and transient suppression to comply with MIL-STD-461 and DO-160. The GPC LRU also includes provisions for a MIL-STD-704 compliant 28 VDC supply to support the GPC modules and carrier cards. The GRAVES-TECH GPC LRU provides a means to transform a COTS small form factor computer into a rugged MIL-STD-810 and MIL-STD-461 compliant LRU. The GRAVES-TECH GPC LRU also includes captive mounting hardware to allow the GPC LRU to attach to traditional nut plates in the intended vehicle.



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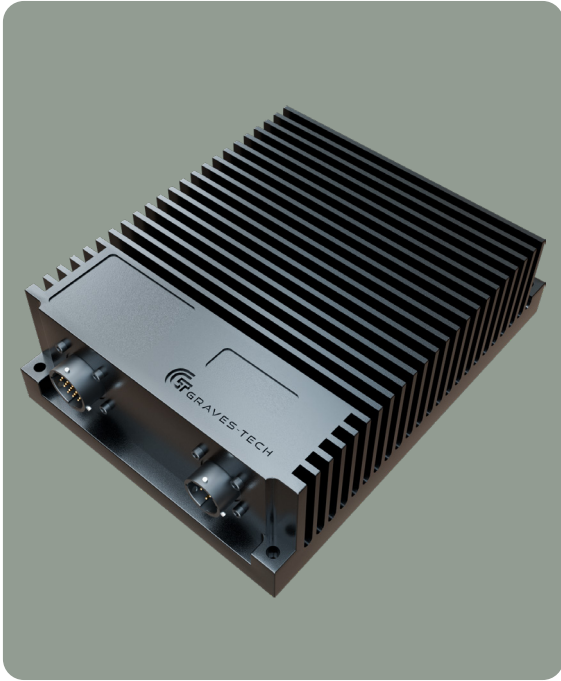
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GPC KEY FEATURES

- Modular, multi-architecture designs
- Ultra-compact and lightweight
- Engineered to deliver unparalleled performance in the most demanding environments
- Ultra-compact and lightweight
- Up to -40°C to +85°C operating temperature
- Open standards architecture designed using a modular open systems approach (MOSA)

System Core	Details	Features
Processor	Up to Intel® Core i7 1185	-
Memory	Up to 16GB SDRAM	DDR2
Storage	Onboard SSD 2-32GB SLC, 2GB-1TB MLC (SATA)	Onboard SSD, up to 2x SATA 3Gb/s
Base Panel Connections	Ethernet, USB, DIO	Customizable IO module Supports 38999 & 26482
Filtering and Transient Suppression	MIL-STD-461 & DO-160	-
Operating System	Linux, Windows, Green Hills Integrity	-
Operating Temperature	Extended Temperature up to -40°C to +85°C	-
Dimensions	6" x 8" x 2.5" (152.4mm x 203.2mm x 63.5mm)	-
Power Supply	Configurable 12, 28, 48	-
Enviromentals	MIL-STD-810	-



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