NEWSPACE MARKET

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ZIN Technologies

United States · voyagertechnologies.com

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as of 20 August 2026

ABOUT

ZIN Technologies

ZIN Technologies, Inc. is an AS 9100-registered aerospace engineering and hardware development company founded in 1957 and headquartered in Cleveland, Ohio. For over six decades the company has delivered integrated products and spaceflight hardware to NASA, the Department of Defense, and leading commercial aerospace primes, accumulating heritage across more than 400 research activities conducted aboard the International Space Station. The company's product portfolio covers spacecraft power conditioning and distribution units, radiation-tolerant single-board computers, aerospace power converters, data acquisition and control systems, and optical-mechanical assemblies. ZIN products have supported the U.S. Space Shuttle, Mir, ISS, and are baselined for the Lunar Gateway under NASA's Artemis program. In 2023, ZIN Technologies was acquired by Voyager Technologies, where it continues to operate under its registered name. With proven heritage in human-rated spaceflight systems and a track record of on-schedule, on-budget delivery, ZIN Technologies is a trusted partner for both government and commercial space missions requiring mission-critical electronics and power systems.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Mission Management

Voyager provides comprehensive mission management services, overseeing all phases from planning to on-orbit operations for various space programs.

Payload Design

Voyager assists with payload design, ensuring mission continuity and streamlining the planning phase for various space missions.

PRODUCTS

Product catalogue

ZIN TECHNOLOGIES

PDUFA1000 Power Conditioning and Distribution Unit

Spaceflight-heritage power conditioning and distribution unit (PCDU) for satellite and spacecraft applications.

Type	Power Conditioning and Distribution Unit (PCDU)
Heritage	ISS, Space Shuttle, NASA Artemis (Lunar Gateway)
Quality Standard	AS 9100-registered

price on request

ZIN TECHNOLOGIES

Proton2X-Box

Proton2X-Box is a modular, flight-proven digital avionics platform built around a dual-core PowerPC processor with FPGA-configurable I/O for spacecraft data handling and control.

Processor	Dual-core PowerPC
I/O	FPGA-configurable digital I/O, analog and digital sensor/instrument channels
Storage	Solid-state storage with error correction
Flight heritage	Flight-proven, space-ready, proven program heritage

price on request datasheet

ZIN TECHNOLOGIES

Proton600K Multi-Core Processor

Radiation-hardened 3U OpenVPX single-board computer with an 8-core ARM architecture for mission-critical edge computing.

Form factor	3U OpenVPX Single Board Computer
Radiation tolerance	Radiation-hardened, immune to destructive latch-up, patented H-Core mitigation for SEU/SEF
Cores	8-core ARM: dual Cortex-A72 + quad Cortex-A53 + dual Cortex-M4F real-time cores
Controllers	Dedicated system controller and security processor
Memory	ECC-protected memory, on-chip ECC and external LPDDR4 support
Graphics/video	Integrated dual 32-bit GPUs + VPU
Storage	ECC-protected flash and mission memory options (eMMC / NAND / MRAM)

price on request datasheet

ZIN TECHNOLOGIES

ProtonVPX-Box

A modular 3U VPX digital avionics compute platform built around the Proton600K multi-core space processor, configurable to meet varied mission objectives.

Backplane	High-speed 3U VPX mesh backplane, no separate SRIO switches/SpW routers required
Chassis	Rugged thick-wall aluminum chassis
Baseline configuration	5-slot: Proton600K Multi-Core Computer, SSR, Digital I/O, Analog I/O, Power Supply
Core processor	Proton600K multi-core high-performance space processor

price on request datasheet

ZIN TECHNOLOGIES

SBCFA1000 Single-Board Computer

Flight-proven radiation-tolerant single-board computer for satellite command, data handling, and payload management.

Type	Radiation-tolerant single-board computer (OBC)
Application	Command and data handling, payload management
Heritage	NASA ISS research activities (400+ experiments)

price on request

Contact ZIN Technologies

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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