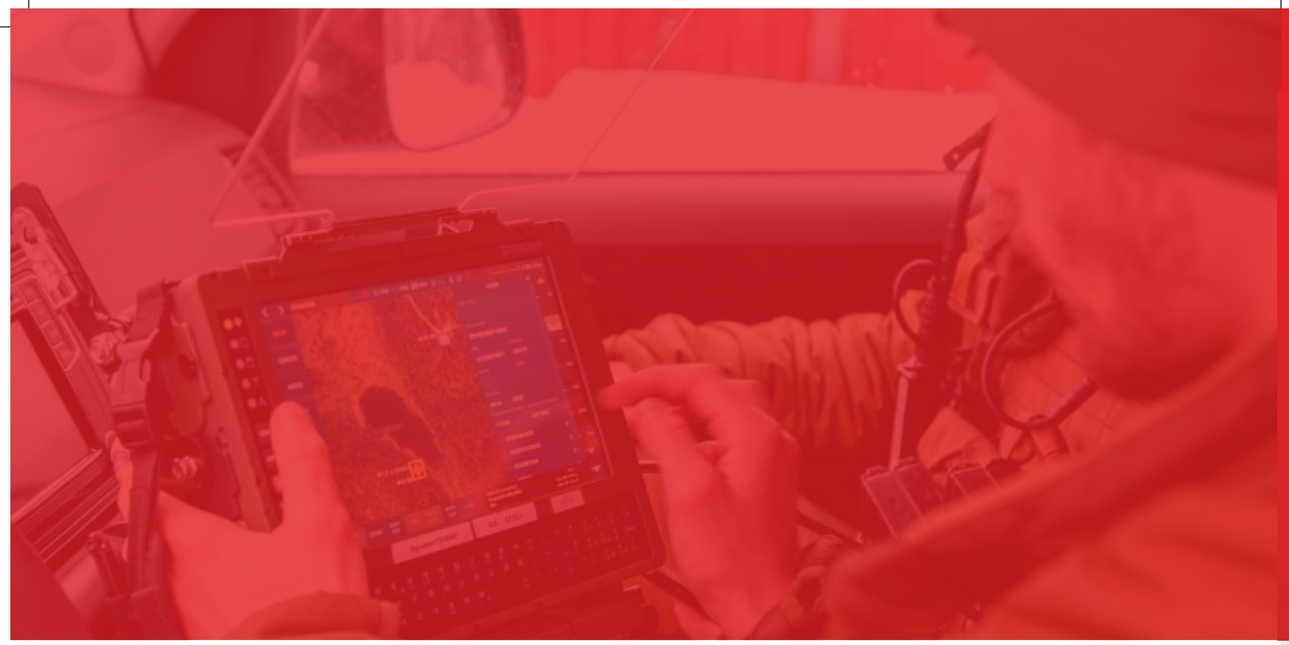

ALLTRONIX

ALLTRONIX

44
YEARS
IN BUSINESS

Products for Mission Critical Applications

Our Leading Partners

ABB	ACKSYS	ADVANTECH Enabling an Intelligent Planet	ANTONICS	AXIOMTEK	BRADY WHEN PERFORMANCE MATTERS MOST
COOPER Bussmann	DFI	EATON	ENSTO	FLEXICON flexible conduit and accessories	innodisk
POSITAL FRABA	HARTING	HellermannTyton	KlauKe A Textron Company	Kernel sistemi	LUTZE
mildef	MV POWER	NVIDIA	OMRON Sensing Tomorrow	PFLITSCH	PHOENIX CONTACT
SINTRONES In-Vehicle Computing	SAB BROCKSKES	SCHAFFNER	Souriau-Sunbank by EATON	Thomas&Betts	AGL

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Who we are

ALLTRONIX

Having over 20 years' experience in Electronics and Electro -mechanical solutions catering mainly to Industrial Automation and Railways sectors , the management of Alltronix , Inspired by the Make In India initiative especially driven by our **Honorable Prime Minister** decided to focus on the defence sector. Using the 20 year experice of the railway industry and associating with leading players in the **Aero space and Defence Industry,** Alltronix, today has many Made in India products to meet the new mission -critical requirements of the Army and Navy.

An ISO 9001:2015 certified MSME inspired by innovation.

Rugged LCD for Command & Control Environments

3" to 27" Rugged LCD Modules

MILSTD 810 and MIL STD 461 Ground Army & Navy

- **Sunlight Readable * Optically Bonded**
- **NVIS and ARINC versions on request.**
- **Wide Operating temperature**
- **Touch Screen – PCAP or Resisitive**
- **Rugged Construction**
- **Heater version**
- **Customised Bezel**
- **Customised Menu / Function keys**

Products

Alltronix delivers Manufacturers custom design, rugged integrated solutions built to meet the most stringent specifications and perform reliably and consistently in the harshest conditions Rugged LCD Display Solution to meet Army & Navy requirements Rugged Server & Network storage Solution Rugged AI Edge Workstation Blade CPCI Serial Servers.

Alltronix also works with Global OEM's partnering with them to provide the latest innovation and technologies to Indian manufacturing companies. Our experienced team not only provides technical support but also local availability and service.

Rugged LCD Monitors

Mission-ready, Rugged Servers & Computers

ALLTRONIX rack-mountable rugged servers and computers are integrated with the latest technology, Flexible 1U, 2U and 3U form factors and future-proof system architectures offer you the latest multi-core processing options. Customizable rugged and Industrial servers and computer including

SEMI RUGGED SERVERS AND NETWORK STORAGE

- Wide Operating temperature
- RAID and hot swappable storage
- AC/ DC power supply
- Customisable connector interface
- Front and Rear connectivity possible
- Integrated with NVIDIA GPU cards for Hybrid computing.

RUGGED SERVERS

- 1U, 2U, 3U rugged form factors
- Ideal for shipboard & ground-based applications
- Solid, aluminium construction
- AC/DC power supply options
- Hot swappable storage with RAID options
- We offer the industry's latest solutions for COTS processing by using Intel™ SkyLake™ multi-Core processors and NVIDIAs™ GPUs.
- Server is built and tested to meet military specifications of NAVY and ARMY for shock and vibration, EMI and EMI emissions, temperature and humidity extremes and more

Rugged Fanless workstations with embedded high-performance GPU

Integrated with MXM GPU Cards

Rugged and fanless design for edge AI computing systemSupports built-in AI-driven applications for various vertical markets
Collaboration with NVIDIA to provide embedded GPU solution with over 5-year longevity

MXM-A500

MXM-A2000

MXM-A1000

Discrete GPU AI Solution

- 14th Generation Intel® Core™ i9-14900T Processor
- NVIDIA RTX™ and Intel® Arc™ GPU Options for AI Acceleration
- 2 x TSN Ready 2.5GbE Controller for Time-Sensitive Network
- 8 x GbE with Optional PoE Support for Easy Connection with IP Camera
- 8 x DI (9~60VDC), 2 x ADC (9~60VDC), and 4 x DO (5V, 100mA)

GPU IPC

Integrated with PCIe GPU Cards

Provides various IntelD and AMD® CPU selection from desktop Core i/ Ryzen to server-grade XeonEY EPYC processorsReliable thermal design and high-watt PSU with up to 1200/1600 watts
High expandability with PCIe slots to deliver superior functionality e.g. integrated with Grabber card and 1/O card

Rackmount IPC

RTX 6000 Ada

Simple, Flexible, Reliable by 3U CPCI-S Technology

Easy, quick configuration, CPU extension, and peripheral 1/0 board per user request

RUGGED TABLETS

DE 13

- 7" 1280 × 800 LCD
- Resistive Multi-Touch Screen
- Intel® Core™ i7-7Y75
- Windows 10
- −20°C to +60°C
- IP67

Option: -30°C ~ +60°C / MIL-STD-461G Groung Army

DR 13

- 8.4" 1024 × 768 LCD
- Resistive Single Screen
- Intel® Core™ i7-7600U
- Windows 10
- −20°C to +60°C
- IP54

Option: -30°C ~ +60°C / MIL-STD-461G Groung Army

DS 13

- 10.1" 1920 × 1200 LCD
- Resistive Multi-Touch Screen
- Intel® Core™ i7-7Y75
- Windows 10
- −20°C to +60°C
- IP65

Option: -30°C ~ +60°C / MIL-STD-461G Groung Army

DK 13

- 10.1" 1920 × 1200 LCD
- Resistive Multi-Touch Screen
- Intel® Core™ i7-7600
- Windows 10
- −20°C to +60°C
- IP65

Option: -30°C ~ +60°C / MIL-STD-461G Groung Army

RUGGED LAPTOPS

RS 13

- 13.3" 1920 × 1080 LCD
- Intel® Core™ i7-7600U
- Windows 10
- −20°C to +60°C
- IP65

Option: -30°C ~ +60°C / MIL-STD-461G Groung Army

RS 15

- 15" 1600 × 1200 LCD
- Intel® Core™W-11865MLE
- Windows 11
- −20°C to +55°C
- IP65 (*Passive cooling/Fan-less design)

Option: -30°C ~ +60°C / MIL-STD-461G Groung Army

RK 15

- 15" 1600 × 1200 LCD
- Intel® Xeon®W-11865MLE
- Windows 11
- −20°C to +55°C
- IP65 (*Active cooling/Fan design)

Option: -30°C ~ +55°C / MIL-STD-461G Groung Army

RW 14

- 15.6" 1920 × 1080 LCD
- Intel® Xeon®E-2176M
- Windows 10/11
- −20°C to +55°C
- IP65 (*Active cooling/Fan design)

Option: nVIDIA®GeForce®GTX1050(4GB)
-30°C ~ +55°C / MIL-STD-461G Groung Army

RB 14

- 17.3" 1920 × 1080 LCD
- Intel® Xeon®E-2176M
- Windows 10/11
- −20°C to +60°C
- IP65 (*Active cooling/Fan design)

Option: nVIDIA®GeForce®GTX1050(4GB)
-30°C ~ +55°C / MIL-STD-461G Groung Army

MISSION -CRICTIAL RUGGEDIZED PORTABLE DISPLAYS AND WORKSTATIONS

Rugged Display Solutions Triple 3 X 24” and 3 X 27”

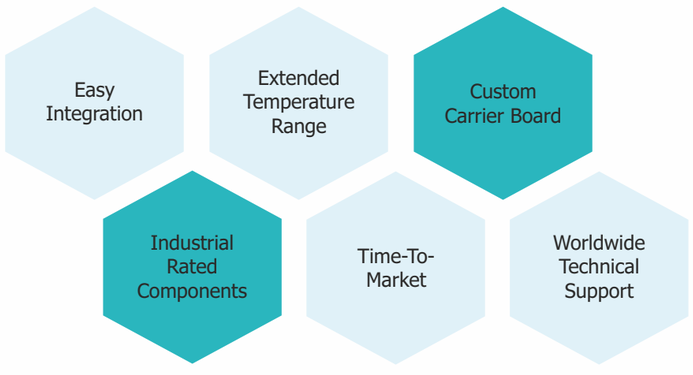
The MegaPAC series is the most powerful portable command and control center. These extended-ATX compatible units can accommodate the latest Dual Xeon Scalable processors, the most advanced GPUs, and have seven full-length expansion slots available. High powered fans cool down the unit efficiently and prevent over heating even while running the most demanding applications. With large 23.8” UHD 1000 nit displays, critical details are easily viewable even in harsh sunlight.

This system is suitable for C6ISR, training and simulation, UAV ground control, drone/threat detection and as a communications suite.

1. Equipped with the latest Intel® Core™ Ultra processors.
2. Optimized BIOS settings ensure resume within 1 second.
3. Low-power standby (under 1W) and stress testing.
4. Secure development environment based on IEC 62443-4-1.

DFI SoM supports COM Express Type 10, Type 6, Type 7, Type HPC and is equipped with Intel's latest Intel® Core™ Ultra processors, allowing built-in AI acceleration. It supports dual-channel DDR5 memory of up to 64GB for more efficient responsiveness. Additionally, it supports NVMe SSDs to enable excellent access speed.

System-on-modules & Mother Boards



Components for Aerospace and Defence

Product

B-342, B-344, B-345, B-7641, and B-7642 are printable, irradiated heat shrink tubing materials. Many of these materials pass the most stringent flammability, smoke and toxicity test parameters the aviation industry requires. 2:1 and 3:1 shrink ratios are available, as well as multiple colours. Temperature ranges vary from -70°C up to 260°C. (-95F up to 500F)

BRADY

HellermannTyton

Strain-relieving boots, transitions and connector backshell covers, as well as other specialised shapes, are available in a wide range of sizes and options. HellermanTyton's extensive product line includes low profile, bulbous and lipped types for use on circular and D-type connectors as well as complex multiway transitions. Only a minimum number of shapes are needed to cover a full range.

Souriau-Sunbank

by EATON

8D ELIO® fiber optic series

EN2997 engine connectors

8D series MIL-DTL 38999

852 (EN3646) series

ARINC 600 rack & panel

MIL-spec backshells

Our Souriau interconnect solutions for aerospace provide exceptional reliability and durability in applications from engines, wing and landing gear to in-flight entertainment and cabin systems. Our portfolio of connectors, backshells, wire protection, cable assemblies and contacts are engineered for the harsh environment of aviation, all while minimizing space and weight.