

COMPUTING & NETWORKING SOLUTIONS

NETWORKING SERVICES

ENGINEERING CENTERS

HARDWARE & DEVICES

MSiTEC
PRODUCTIVITY THROUGH TECHNOLOGY

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Leverage our engineering talent, state-of-the-art engineering facilities, and custom OEM services.

For more than 20 years, our Computing & Networking Solutions Group has been helping companies bring their industrial networking and computing projects to life. When you work with MSI TEC, you'll get a dedicated engineering team with decades of experience helping OEM and manufacturing customers solve problems and get their products to market. We provide the engineering expertise, facilities, and hardware for the design, build and deployment of your product.

COMPREHENSIVE COMPUTING & NETWORKING SOLUTIONS

NETWORKING SERVICES

Industrial Networking Services: network design, consultation, remote access, cybersecurity

ENGINEERING CENTERS

On-site Technical Engineering Centers: Custom OEM Computing & Electro-Mechanical

HARDWARE & DEVICES

Distributor of industrial networking, automation, and computing components and hardware

SOLUTIONS FOR INDUSTRIAL NETWORKING

With over two decades of industrial Ethernet and IIoT experience, we have the knowledge and resources to handle your industrial networking and remote access projects, no matter how complex or challenging. Our networking services include designing and optimizing industrial networks, remote access and monitoring, cybersecuring and risk mitigation.

COMPUTING & ELECTRO-MECHANICAL ENGINEERING CENTERS

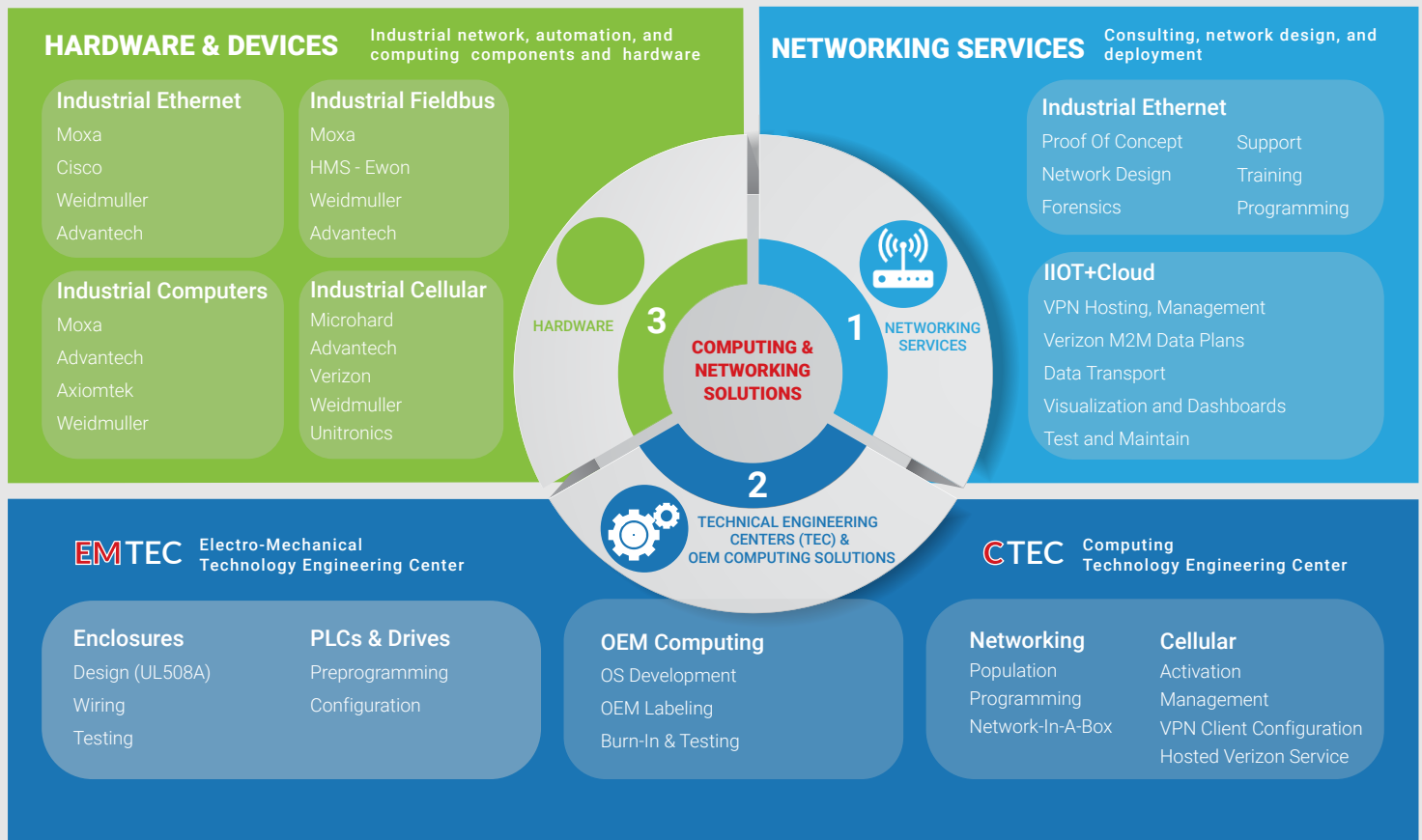
We have on-site, state-of-the-art technical engineering centers that are equipped to meet any computing, networking, mechanical, and electrical project requirements. Our OEM computing services include, custom image and BIOS configurations, burn-in testing and certification, labeling, packaging, and lifecycle management.

COMPUTING AND NETWORKING HARDWARE PROVIDER

Because we are partnered with world class industrial hardware manufacturers, we are able to provide rugged, industrial grade hardware and components with the highest quality standards in the industry. As a value-add distributor, we also provide engineering services, consultation, training and support.



COMPUTING & NETWORKING SOLUTIONS



UNBIASED PARTNER

With MSI TEC, you have an unbiased partner with a wide range of competing vendors, so we can help you find the right solution for your project. As a preferred distributor for leading hardware partners, we serve as an extension of the manufacturer and your single point of contact for pre-sale and post-sale support. As local hardware experts, we're able to recommend the right tools for the job – and to help you be successful using it.

CAPABILITIES



Industry Training & Knowledge

Our team of engineers & technicians have extensive experience and industry knowledge, averaging 50 years of experience. They are also certified by Cisco, Moxa, Microsoft and more. When you work with MSI TEC, no matter the size of your project or purchase, you'll work with experienced engineers who can help you with product selection, engineering, programming, installation, and product training.



Industrial-Grade Hardware

Rugged, industrial-grade components and hardware built for harsh environments and extreme temperatures. Guaranteed long life cycles.



U.S. Based Support

MSI TEC service and support is based in the USA. We have engineering and sales offices across the west who are available for product support, training and trouble-shooting.



Customer Driven

We are a solutions and service provider in the complete sense of the word. The driving force behind everything we do is to serve our customers and become a partner in your success.

Our clients exist in almost every industry including



Aerospace



Automotive



Machine Tool



Process & Discrete Manufacturing



Transportation



Energy



Food & Beverage



Medical Packaging



Semiconductor



and many others!

TECHNICAL ENGINEERING CENTERS:

Helping you bring great designs to market.

If you're like most OEMs, your focus is on product development, staying ahead of the competition, and speeding up time to market. Dealing with computing hardware design and development is a distraction and a drain on resources. Turn to MSI TEC for help designing, configuring, building, and testing your product. Utilize our engineering talent and state-of-the-art facilities as an extension of your project:

C TEC

Our Computing Technical Engineering Center, or **C TEC**, offers custom computing, OS Development, OEM Labeling, Gold Imaging, and much more.

We understand the impact that delays in product development can have on your project's bottom line. As a high-tech distributor, we have access to hardware and components from our manufacturing partners and can offer you the lowest prices. Using our technical engineering centers for design, assembly, manufacturing, testing and support lets you allocate your time and resources on innovation and product development.

EM TEC

Electro-Mechanical Technical Engineering Center, or **EM TEC**, designs and builds control panels and enclosures, programs and configures PLCs and drives, and more.

EM TEC Electro-Mechanical Technical Engineering Center

C TEC Computing Technical Engineering Center

TEC Services

COMPUTING

- Custom embedded OS development
- Rapid prototyping
- Private Labeling
- Gold-imaging & Burn-in Testing

Networking

- Population
- Programming
- Network-In-A-Box

Cellular

- Activation
- Managed cellular provisioning
- Client VPN Configuration

PLCs/Drives

- Pre-programming
- Configuration

Enclosures/Control Panels

- Design
- Wiring
- Testing
- UL508A certified

OEM COMPUTING SERVICES

Leverage our engineering talent, state-of-the-art facilities, and custom OEM services. We'll serve as an extension of your team.



Whether you need 1 industrial computer or 1000, our computing engineering center delivers the solution you need – your way, every time.

Take the guesswork out of deployment with our Copy Exact and golden image services.



Prototyping Services:

- Rapid built-to-order Prototyping
- Validation of your proprietary components
- Custom mounting and cable design



Testing and Validation

- 24-hour PassMark Burn-In Test
- Thermal system, software, & motherboard testing
- Copy Exact service



Life cycle Management

- Guaranteed hardware longevity
- Field Replaceable systems
- Software/OS Longevity
- Revision Control
- Last Time Buy Option



Imaging & Bios

- Image Capture for Linux and Windows.
- Configure one custom image for repeat systems.
- Partition Hard Drive
- Set Boot Order of devices
- Enable/Disable I/O Devices



Private labeling & Packaging

- Custom face plates
- Custom serial number labels
- Include your custom inserts to the system box

COMPUTING & NETWORKING SOLUTIONS



Turn to MSI TEC for industrial Ethernet, IIoT, and cellular services, which includes network design, Proof of Concept, product development, cybersecurity, VPN hosting, and more.



INDUSTRIAL ETHERNET SERVICES

- o Proof Of Concept - Leverage our experience when developing Proof of Concept. We can help with the design, build, testing and documentation.
- o Network Design - Our engineers have decades of experience designing and upgrading networks for industrial and critical infrastructure customers.
- o Training - Education and training is an essential part of our networking services that begins from the very first planning meeting. At the end of the project, we provide training on monitoring and maintaining your network.
- o Support - We provide ongoing support after every project or sale. Our in-house, U.S. based engineers are on hand to troubleshoot any issues that crop up and provide solutions.
- o Configuration - Assist in programming your switches, routers, gateways, and network monitoring software

IIOT + CLOUD SERVICES

- o VPN Hosting and managed private cellular networks - Secure VPN technology that is off the public internet. Data collection to your facility or the Cloud of your choice.
- o Managed cellular provisioning, including monthly billing, data usage monitoring.
- o Data Transport – We'll develop creative solutions to get your data from the edge to the cloud.
- o Visualization - Our software engineers can assist in developing dashboards and reports to visualize, analyze, and take action on your data.
- o Forensics - Our network forensics services investigate the health and safety of your network to ensure it's performing correctly and is protected from cyber threats.
- o Network Testing – Our network and software engineers can develop network tests for stress, performance, latency, and cybersecurity.
- o Maintain - We can also develop a plan to maintain your network, IIoT and cloud systems to ensure their robust performance and longevity.

COMPUTING & NETWORKING SOLUTIONS



Turn to MSI TEC for industrial Ethernet, IIoT, and cellular services, which includes network design, Proof of Concept, product development, cybersec VPN hosting, and more.



Explore What's Possible.

We understand the challenges our customers face with transitioning to a more connected industrial environment. It involves wrestling with legacy devices, configuring and managing numerous assets and devices, worrying about cyber security and industry requirements – all while continuing to produce product.

MSI TEC's Computing & Networking Solutions can help your transition to a more connected industrial environment. We offer a unique combination of industrial networking expertise (which includes deep expertise in OT (operational technology) and a product portfolio that includes industry leaders like Cisco and Moxa.

We bring decades of expertise and experience to your project, and can provide assessments and advisory services, as well as network design, proof-of-concept, product development, cybersecurity, VPN hosting, and much more.

Services

Industrial Ethernet Services

- Proof Of Concept – Design, build, testing and documentation.
- Network Design – Design & upgrade networks
- Training – Provide training on monitoring and maintaining your network.
- Support – Provide ongoing support
- Configuration – Program switches, routers, gateways, and network monitoring software

IIOT + Cloud SERVICES

- VPN Hosting and managed private cellular networks
- Managed cellular provisioning
- Data Transport to get your data from the edge to the cloud
- Visualization – Develop dashboards to manage your data
- Forensics – Assess the health and safety of your network and protect it from cyber threats
- Network Testing – Stress, performance, latency, and cybersecurity.
- Maintain – Provide a maintenance plan for network, IIOT and cloud systems

HARDWARE PROVIDER

We are partners with the world's most trusted industrial brands. Offering rugged hardware and components for harsh environments, with guaranteed long life cycles.



Industrial Computers



AI Edge Computing Platforms



Compact, Fanless Industrial PCs



Industrial IoT Rugged Computers



Touch Panel PC HMI



Wide Temp Fanless Panels

Industrial Ethernet



Unmanaged Switches



Managed Switches



Ethernet Gateways & Protocol Conversion



Industrial Secure Router/Switch Combo



Media Converters USB Ethernet, Fiber

Industrial Cellular/Wireless



Cellular Routers & Gateways



Wireless LTE Ethernet & Serial Gateway



Ultra-Reliable Wireless Backhaul



LoRaWAN Wireless Gateway



Wireless AP/bridge/client

Industrial Fieldbus



Ethernet Fieldbus Gateways



Fieldbus Gateway



M2M Gateway



M2M Device and Data

MOXA

CISCO

ADVANTECH

AXIOMTEK

HMS Ewon
BY HMS NETWORKS

microhard

Weidmüller

verizon


msitec.com




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