



CAPABILITY STATEMENT

Electronics, Software and Firmware for the Modern Military

IXI Technology is a Service-Disabled Veteran-Owned Small Business (SDVOSB) that designs and manufactures electronics and software for data translation from RF, SYNCHROS, VIDEO, NTDS, STANAG, RS-232, RS-422, COAX, TRIAX, and other protocols into Ethernet, or Fiber. IXI's products are used world-wide in Sonar, Radar, Navigation, Communications, and Fire Control Systems. IXI products provide **Cyber Security, Encryption and Virtualization**.

Differentiators

- Design and manufacturing of Military Electronics and Software since 1984
- All products are full Military Environmentally Qualified; currently deployed world-wide
- Technology innovation programs keep ahead of technology obsolescence
- Cyber Security, Encryption & Virtualization technology provides secure networks, minimizing rack space and optimizing utilization
- Designs available in Open or Closed OS Software
- Hardware and software forward and backward compatible
- Patented proprietary technology deployed world-wide

Capabilities

IXI designs Data Translation and Cyber Security Systems and PCBA'S for Military applications. Designs include Ruggedized Electronic Systems, Standard and Custom Form Factor PCBA Products, Embedded Computers, Chip Sets, Open Architecture Operating Systems, and Custom Software.

Electronic Design:

- Integrated Systems, Analog, Digital, Radio Frequency, Antennas, Mixed Signal, and FPGA Design for Radar, Sonar, Navigation, Communications, and Fire Control Systems.
- Power Supplies, Automated Test Equipment, and Electro-Optics

Mechanical Design:

- Systems, Printed Circuit Boards, Enclosures, Shelves and Cable Design
- All Products and Systems are Qualified to Military Requirements

Software Development:

- Virtualization Software to Replace Legacy Systems Cyber Security and Encryption in Embedded Software and Firmware Design
- Software can be added to existing operating code without recompiling.
- Custom Open Architecture Operating Code

Manufacturing:

- Assembly and Test of PCB's, Cables, Sub-Assemblies and Systems
- Automatic Test Stations for PCB's, Cables, Sub-Assemblies and Systems
- Mechanical Assembly of Cables, Sub-Assemblies and Systems



IXI AT A GLANCE

- Founded in 1984
- Privately-held
- Corporate HQ in Yorba Linda, CA
- Cage code: 0PSR7
- UEI: J1HRLJ1Q1NT6
- TIN: 46-3969004
- Business size: Small Business Concern
- Socio-economic status: SDVOSB
- Quality System: AS9100D, ISO 9001:2015
- Workmanship Standards: IPC-A-610, IPC/WHMA-A-620 and J-STD-001
- 40,000 SQ Ft. - 23,000 of R&D, Admin, Sales and Marketing, 17,000 of Manufacturing
- SCIF: Available for Accreditation
- Made in the USA

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Past Performance

N00178-15-D-2017 – Prime Contractor supplying electronic hardware, software and training for cyber security, encryption, emulation, data conversion, data analyzers, time synchronization and Data I/O technology for Land, Air and Sea Weapon Systems.

N00024-17-D-6421 – Subcontractor supplying electronic hardware, mechanical enclosures, cabling, software and training for cyber security, encryption, data conversion and cabling for enemy detection systems.

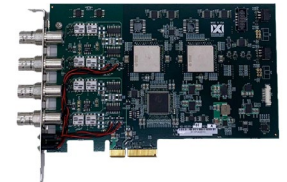
N00164-15-D-WM59 – Prime Contractor supplying hardware, software and training for cyber security, encryption, emulation, data conversion, and additional software upgrades of non-Open Architecture (OA) legacy system to OA.

N63394-22-C-0003 – Subcontractor supplying electronic hardware and software for cyber security, encryption, and data conversion various circuit card for Missile Vertical Launch System

N63394-16-P-0216 – Prime Contractor supplying hardware, software, spares, and training for cyber security, encryption, emulation, and systems control for anti-aircraft missile and gun fire control systems.

N63394-17-C-0002 – Prime Contractor supplying hardware, software, spares, and training for rack mounted Data Display Computers.

SBIR 2022.2 – Prime Contractor Award to develop low SWaP and cost SDR based GNSS Jamming, GNSS and PNT Real Time Spoofing with PNT Correction, and Characterization of Dead-Reckoning Disruption of Autonomous Platforms to conceal disruption intent.



NAICS Codes

- **334511 - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing***
- 334111 - Electronic Computer Manufacturing
- 334112 - Computer Storage Device Manufacturing
- 334220 - Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
- 334418 - Printed Circuit Assembly (Electronic Assembly) Manufacturing
- 334419 - Other Electronic Component Manufacturing
- 335314 - Relay and Industrial Control Manufacturing
- 334515 - Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
- 334519 - Other Measuring and Controlling Device Manufacturing
- 335999 - All Other Miscellaneous Electrical Equipment and Component Manufacturing
- 336413 - Other Aircraft Parts and Auxiliary Equipment Manufacturing
- 541511 - Custom Computer Programming services
- 541512 - Computer System Design Services
- 541330 - Engineering Services

*Primary

Patents

- US 9,634,447 B1, Electrical Communication Adapter System
- US 10,389,369, Temperature Compensation for a Voltage Controlled Oscillator
- US 10,389,369 B1, Emulation of Communication Waveforms
- US 10,652,082 B2, Automated Detection of Communication Type
- US 10,879,953 B1, Synchronous Multichannel Frequency Hopping of Modulated Signals
- US 10,971,871 B2, Connector Adaptation with Impedance Matching
- US 11,018,626 B2, Temperature Compensation for a Voltage Controlled Oscillator (Add)
- US 11,095,298 B2, Fast Bandwidth Spectrum Analysis
- US 11,114,766 B1, Tapered Slot Antenna
- US 11,147,189 B2, Heatsink for Handheld Equipment
- US 11,336,027 B2, Filtering Proximity Antenna Array
- US 11,371,812 B2, Anti-Drone Weapon
- US 11,552,644 B2, Fast Frequency Hopping of Modulated Signals
- US 11,557,833 B2, Corrugated Antenna
- US 11,562,831 B2, Wire Assembly in Close Proximity To Antenna
- US 16,746,939, Fast Bandwidth Spectrum Analysis