

RUGGED RACK MOUNT LCD'S SVGA - FULL HD RESOLUTION TOUCHSCREENS COMPUTERS

8.4" - 24" SCREEN SIZES
 PORTRAIT AND LANDSCAPE
 5U - 14U

IT'S ALL ABOUT "U"

VarTech's rugged rack mount displays and all-in-one computers are engineered to perform in mission critical applications and meet tough industrial and military requirements. Power efficiency and durable construction make our rack mount products the perfect SWaP-C solution for battlefield management, reconnaissance, ship board consoles, and airborne applications. Wide operational temperatures allow for these displays to operate within close proximity of hardware without negative effects from high heat. Easily connected to industrial I/O, RTU, and other controllers/IPC the rack series can be assembled with a wide range of options that enable flexible configuration.

Available Video Interface

HDMI, DisplayPort, VGA (HD-15), BNC, HDMI, DisplayPort, VGA, BNC, DVI, HD-SDI, DVI, Composite BNC

Optional Embedded Computer

Available processors: Intel Atom, Celeron, and Skylake/Kaby Lake Core I series
 Up to 32GB RAM
 HDD (2TB) and SSD (512GB)
 Numerous I/O

Options

Touch Screen: Resistive, Capacitive, ArmorTouch (Glass-Film-Glass Resistive)
 EMI Protection, 12,24,28,48,125VDC power supplies

Size	Resolution	Rack U	Brightness (nits)
8.4"	SVGA	5U	650/1500
	XGA		400/1000
10.4"	SVGA	6U	400/1200
	XGA		800/1000
12.1"	SVGA	6U	400
	XGA		400/1000
12.1" W	WXGA	5U	800
15"	XGA	7U	400/1500
17"	SXGA	8U	350/1000
17.3"	Full HD	7U	400/1000
18.5"	Full HD	7U	250/1000
19"	SXGA	9U	300/1000
19" W	WXGA +	7U	200
20.1"	UXGA	8U	300/800
21.5"	Full HD P	13U *	300/1000
24"	Full HD P	14U *	300/1000

* Portrait Mode

Resolutions Defined

SVGA (800x600), XGA (1024x768), SXGA (1280x1024)
 WXGA (1280x800) WXGA+(1440x900)
 Full HD(1920x1080), Full HD P (1080x1920)

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VarTech Systems Inc., a US Owned small business, specializes in manufacturing of rugged military/commercial off-the-shelf (COTS) flat panel displays and military/industrial computer workstations.

CAPABILITY STATEMENT

Core Competencies

Industrial Applications: Panel, Rack, VESA and Console mount video displays/PCs/Touch Screens for both mobile & fixed location user controls and CCTV camera systems (Analog/Digital)

COTS Displays and Computers: Field-proven commercial off-the-shelf designs for use in:

- ✓ **Military operations:** Resistant to shock, vibration, extreme temperature, humidity & direct sunlight
- ✓ **Marine operations:** Navigation system controls & surveillance monitors with waterproof salt water resistant housings and sunlight readable displays
- ✓ **Avionics:** Sunlight readable, NVG Compatible (NVIS MIL STD 3009) airborne displays/computers with analog and digital inputs

Custom LCD/Computer Solutions: Ability to modify equipment to highly specialized mechanical, electrical (461 EMI) and environmental requirements

Retrofit Solutions: Mechanical and electrical drop in replacement designs considering both user experience and installation process

Repair Services: IC level repairs to total refurbishment of industrial/military grade CRT monitors and LCD flat panel displays inclusive of OEM designs (No Charge Evaluation)

Capability with Flexibility

Big business capabilities with small business flexibility

Our corporate climate combines the attributes of a nimble, responsive and full rounded infrastructure with financial stability and in-house capabilities associated with larger corporations. This yields an agile team that allows ease of communication as well as facilitation of projects from conception to after sale support.

- ✓ 29 Years In Business
- ✓ Debt Free Small Business
- ✓ In House Prototype Design & Production
- ✓ Minor Design Modifications with no NRE fees
- ✓ 45,000 square feet of US Based Production Facilities located in Clemmons, NC
- ✓ Class 1,000 & 10,000 Clean Rooms
- ✓ ISO 9001 Certified
- ✓ International Shipping Supported
- ✓ ITAR Registered
- ✓ Production Runs of Qty 1 to Qty 1000

Company Information

NAICS CODES:

- 334111:** Electronic Computer Manufacturing
- 334118:** Computer Terminal and Other Computer Peripheral Equipment Manufacturing
- 334419:** Other Electronic Component Manufacturing
- 334519:** Other Measuring and Controlling Device Manufacturing
- 334512:** Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use
- 334513:** Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables

Fed ID:
84-1104385

DUNS:
840912190

CAGE:
0ZE75

ISO 9001 Certification:
562 588FM

ITAR Registration:
M26167

PAST PERFORMANCE HISTORY

- ✓ **Lockheed Martin-Vitrociset/Contractor:** Joint Strike Force F-35 Ground Support Equipment, Power Cart & Air Conditioning Cart for supplying electricity and air conditioning in a wide range of climatic conditions, Operator Interface Display Panel
- ✓ **Sikorsky/Direct Contract, Buyer/Lancaster – Missile & Fire Division:** General Lab and Aircraft Cabin Testing Equipment, Rugged Panel Mount Monitor with Avionics Bonding for altitudes exceeding 10,000 feet, MIL-STD 3009 & MIL-STD 461E Compliance
- ✓ **US Navy/Prime Contractor:** DRS Power & Control/Power Conversion Module for DDG F1 Class Flight III Air & Missile Defense Radar/ Ruggedized Panel PCs
- ✓ **USAF/Direct Contract/ Upgrade of Avionics Test Benches for F-15/Rack mount Touch screen Displays**
- ✓ **US Army/ Prime Contractor:** Smiths Detection /M8E1 Chemical Biological Protection Shelter CBPS-M8E1/HMI Touch Screens
- ✓ **US Marine Corps/Prime Contractor:** Mercom/AFATDS C2 System - Upgrade of Mobile Tactical Shelter AN/TSQ-272 UFD/Function Button Touch Screen Control Displays