Z Microsystems

2012 Product Line

Z Microsystems is the leading designer and manufacturer of MISSION-READY computing solutions for critical defense and government applications.

COMPUTERS & SERVERS | RUGGED RACKMOUNT DISPLAYS | IMAGING SOLUTIONS

STORAGE DOCKS | HANDHELD DEVICES | DESK SYSTEMS | MASS STORAGE MODULES

2012 Product Line

"Providing our customers with l

COMPUTERS & SERVERS

ZX1 SERVER

1U high - 19" RETMA rack mountable

Supports latest Intel & AMD multi-core processors

650W dual redundant AC power supply

750W fixed DC power supply

Rugged, lightweight packaging

1 PCI expansion slot

ZX2 SERVER

2U high - 19" RETMA rack mountable

Supports latest Intel & AMD multi-core processors

650W dual redundant AC power supply

750W fixed DC power supply

Rugged, lightweight packaging

3 PCI expansion slot

ZX3 SERVER

3U high - 19" RETMA rack mountable

Supports latest Intel & AMD multi-core processors

650W dual redundant AC power supply

750W fixed DC power supply

Rugged, lightweight packaging

6 PCI expansion slot

COMx MPU STATION

4U 19" RETMA chassis

Supports up to Quad Core i7
Up to 7 CM1x singlewide modules or 3 CM2x doublewide modules

Dual redundant, load-sharing AC or DC power supply options

Up to 2 TP2 hard disks per module

MASS STORAGE MODULES

TRANZPAK 2 (TP2)

Holds any 2.5" hard or solid state drive

SATA capacity up to 1TB; SAS capacity up to 500GB

SSD capacity up to 600GB storage

Ultra-low profile, Heater Option

TRANZPAK 7 (TP7)

Holds any 3.5" or 2.5" hard or solid state drive

SATA capacity up to 4TB

Heater option

STORAGE DOCK

TRANZSTOR 1Xi

Single bay TranzPak 7 docking bay

SATA/SAS

Installs in 5.25" half-height peripheral slot

HANDHELD DEVICE

CP1 HANDHELD PC w/ IMAGE PROCESSING

5" touchscreen LCD

1.6GZ Intel Atom processor

2GB memory, Intel 3D graphics

FMV w/Real-Time Enhanced Video

GPS Capable

CP Gen2 in development*

EMBEDDED DESK SYSTEMS

EXPANDER DESK I

1U high

19" RETMA rack mountable

Ergonomic comfort design

Fast setup & close up

EXPANDER DESK II

2U high

19" RETMA rack mountable

270 sq. in. of storage space

Ergonomic comfort design

Fast setup & close up

RUGGED RACKMOUNT DISPLAYS

GEN3 ORION UDP

20.1" & 21.3" rack mount displays

Resolution up to 1600 x 1200

Fully customizable viewing and PIP's

19" RETMA rack mountable

Machined aluminum 'battleshell'

Rugged static handles

Optional touchscreen, EMI or AR Shield

Real-Time Enhanced Video (RTEV)

VEGA DISPLAY

18.5" & 21.5" rack mount LED displays

Resolution up to 1920 x 1080

Flexible digital and analog video support

Multiple PiP's & fully customizable dual or quad-view interface options

19" RETMA rack mountable

Rugged fold-away transportation handles

Optional touchscreen or AR Shield

Real-Time Enhanced Video (RTEV)

INTELLIGENT DISPLAY SERIES

IDS DISPLAYS

17", 21"or 24" ultra-low profile displays

Resolution up to 1920 x 1200 pixels

19" RETMA rack & VESA mounting options

Ground Control Station options available

Digital and analog video support

USB host communications link

Optional touch screen or AR Shield
Real-Time Enhanced Video (RTEV)

IMAGING SOLUTIONS

REAL-TIME ENHANCED VIDEO

Powerful embedded FPGA video controller

Contrast enhancements on local & global operations

Color & saturation manipulation for optimal viewing in any environment

Apps include: fog, sand storms, dehazing, low-light and wide dynamic range

Integration capabilities: embedded display options, table-top add-on solution and miniature FPGA for handheld devices

zBOX

4U 19" rack mount platform, 45lbs

18 cards switch up to 54 digital streams

Multi-fabric platform executes enhancement algorithms on FPGA's, CPU's and GPU's

Software GUI's & touch controls for layout configuration and image routing

Enhancement for any display configuration

zVIDEO

Software suites supports coding, ingestion, playing, clipping, and annotation of digital information

Automate workflows and manage assets

Clip, distribute, and transcode video files

Supports KLV and Predator dictionary

Supported formats include: MPEG-1, MPEG-2, MPEG-2TS, MPEG-2PS, MPEG-4, H.264, DV25, DV100, MJPEG

The need for field-ready computing capabilities is increasing as the trend for deployed defense applications grow. Z Microsystems has achieved great success in applying its expertise in both the government and DoD deployed computing initiatives that are currently in progress. As it continues to steer the evolution of the mission-ready computing sector, Z Microsystems' continues to enhance its customers' competitiveness by delivering on its promise to offer the latest technology in deployable equipment.

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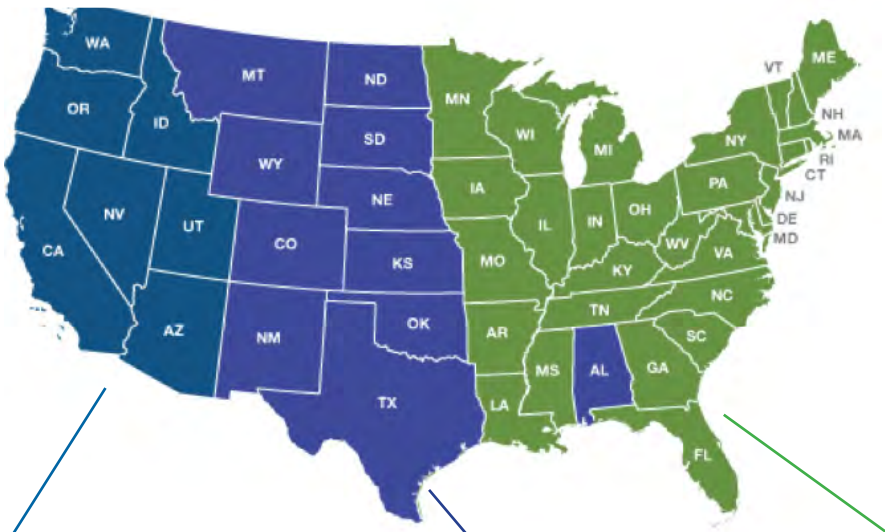

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FIELD-READY FLIGHT-READY FLEET-READY

MISSION-READY

Z Microsystems, Inc. is an ISO 9001 registered company and compliant with AS 9100 requirements. The information and data provided are standard for the described products. The latest version of this product card and other data sheets can be found at www.zmicro.com.

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