DS-X2-425-13-2

Standalone Analyzer

- Mil-Std-1553
- ARINC 429

Dualos I/O Systems

- Windows 10 or Linux based
- PCMCIA, ExpressCard, PCIE & USB based I/O
- Abaco and other hardware
- Dualos Custom Durabook Tablet/Notebook
- ExpressCard, USB and PCIE I/O

Dualos Standalone Systems are high-performance portable I/O systems designed for lab and rugged environments. These systems can be a tablet, notebook, laptop or all-in-one unit with ARINC 429, ARINC 664, Mil-Std-1553 or various other I/O and software integrated into the system. They can be standalone analyzers or set-up as general I/O systems.

Birthed out of the industry's need to have compact and yet powerful test, simulation and investigative tools, these systems take advantage of combining the best of the COTS world in mobile computing, data bus hardware, application software, I/O and integration ingenuity. These systems have excellent EMI, RFI, and ruggedization characteristics and are designed around a Dualos specific custom series of Durabook products. Abaco products are the default data bus configuration.

Various versions and options are available. For example, the BTP series are standalone data bus analyzers with Abaco Avionics products for a single protocol while the DS series are configured for a customer specific application.

Sub-series nomenclature includes "Z" systems which are highly rugged 14" laptop size systems. "X" systems comprise of a highly rugged 14" system with a PCIE expansion bay. "S" systems are a lighter weight 14" systems great for banging around the lab or light rugged duty while the "U" systems are a highly rugged 11.5" tablet systems.

 NOTE: Unless otherwise requested, ALL BTP and DS systems have the following features: TPM, Ethernet, USB and SmartCard readers but NO wireless, video or mic capabilities. Most configurations include PCMCIA, ExpressCard and DVD's. GPU's, RF and GPS's are available upon request.

Applications

- Lab, Field & On-Platform Test
- LRU & Bus Design/Test
- Data Loading & Production Test
- Engine Test Stands
- Integration Test
- Missile Launch Tests
- Operational Analysis
- Systems Simulation & Test
- Field Maintenance Test & Simulation
- On Platform Simulation and Analysis

Benefits

- Easily Mobile Analyzer & Test System
- One System - Multiple Protocols & Uses
- Long System and Support Life
- Easy to Use in Lab and On Platform
- Highly Reliable, Lower Damage Risk
- All in One System Easier to Procure

DS-X System Specification

DS-X Processing system

14" FHD (1920 x1080) Sunlight Readable Display
4 mode touch screen – finger, glove, stylus, water
Intel® 8thG i7 Processor with TPM, IP65, NIST BIOS with PW
16GB RAM (32G available), 256GB Removable SSD
Sealed Backlit Keyboard with 2 user definable keys
PCMCIA Type II + Express Card 54, Smart Card Reader
2x RJ45, 2x RS232, VGA, HDMI, Display Port
2x USB-A 3.1; 1x USB-C 3.1; 1x USB-A 2.0
SuperBay – DVD, SSD and Battery Exchangeable
Expansion Bay for PCIE I/O
Live Swappable Main Battery
Windows 10 Professional
AC adapter : 100-240V, 50Hz-60Hz, 90W
Dimensions: 14"W x 11"D x 3.5"H; ~10lbs
3-Year Durabook Accidental (3D) Warranty Coverage
1 Screen Replacement per year warranty

Added I/O

1x Abaco RAR-PCIE-22 & cables
1x Abaco R15-LPCIE-G22MCBL & cables
1x RCONRARUSB-EC DB37
1 year standard warranty on Abaco products.

Added Software

1x Abaco BusTools 1553
1x Abaco BusTools ARINC

Accessories

2 x Media Bay Removable SSD 256GB with cases

DS-X Environmentals

MIL-STD-810G Certified

6' drop 26 faces, Shock, Vibration, Rain, Dust, Altitude, Freeze/Thaw, High/Low Temperature, Temperature Shock, Humidity, Explosive Atmosphere, Solar Radiation, Salt Fog, Fungus Resistance

MIL-STD 461 Certified

Electromagnetic

IP 65 Certified

Water and Dust Resistant

ANSI C1D2 12.12.01 Certified

Hazardous Environment

Note: Added I/O may alter certifications

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