



## Fly Anywhere With a High Performance Data Center

### Mobile

Packaging designed for transport/mobile operations. Low size, weight and power

### Flexible

Six modular slots for any mix of Flash Storage, CPU, or GPU. Easily upgrade, expand, or reconfigure

### Powerful

Converged compute, storage and memory in a 2U format with up to 88 CPU cores, 460 TB\* storage, 2 TB RAM

### Lightning Fast

X-IO FabricXpress™ architecture dramatically accelerates storage access, throughput, & compute speeds

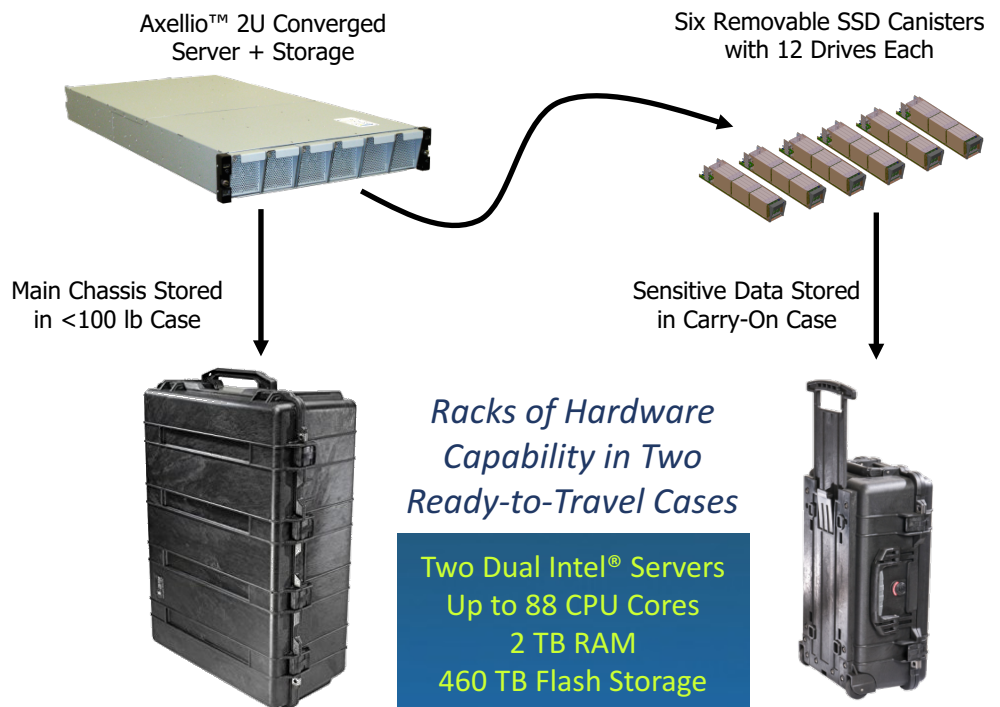
### SUPPORTS ADVANCED APPLICATIONS

- Packet Capture & Inspection
- Network Anomaly Monitoring
- Streaming Data Analytics
- Multi-Sensor Fusion

## Big Data in a Small Package

The Axellio™ Portable Edge Computing System provides an entire data center of computing and storage in a dense 2U design that can accompany rapid response IT teams on commercial aircraft. Now mobile missions that support collection and analysis of critical information can take the power of the world's most advanced converged system anywhere, anytime. Each small, lightweight 2U unit contains two dual Intel servers with up to 88 cores, 2 TB RAM, 460 TB of all-flash storage, and 4x100 GbE network connectivity.

The complete system is easily packed into two cases to meet airline baggage policies. The smaller carry-on case contains the removable SSDs which allows for secure control of sensitive or classified data. The larger case contains the main server chassis and weighs under the 100 lb commercial air weight limit for checked luggage. Equipment can be reassembled and operational in minutes.



**Perfect for Cyber Protection Teams, Real-time Intelligence, and Tactical Edge Computing**



## Powered by X-IO FabricXpress™ Technology

FabricXpress™ is X-IO's proprietary application of flash-optimized NVMe protocols (non-volatile memory express) over a PCIe bus (peripheral component interconnect express). This high speed backplane enables unprecedented speeds between connected devices. Combined with two dual Intel® server modules and dual-ported NVMe solid state drives, a fully-loaded Axellio™ system is capable of:

**12 million IOPs**  
**60 gigabyte transfer rates**  
**50 microseconds of latency**

Bring the World's Most Powerful  
2U Super Server With You Anywhere

## Technical Specifications

|                              |   |   |   |  |
|------------------------------|---|---|---|--|
| <b>Configuration Options</b> | Each system includes two server modules, specifications listed are per appliance  |   |   |  |
| <b>Compute**</b>             | CPU: 4 x Intel E5-2620v4<br>32 cores/64 threads<br>@ 2.1GHz   | CPU: 4 x Intel E5-2650v4<br>48 cores/96 threads<br>@ 2.2GHz | CPU: 4 x Intel E5-2667v4<br>32 cores/64 threads<br>@ 3.2GHz | CPU: 4 x Intel E5-2699v4<br>88 cores/176 threads<br>@ 2.2GHz |
| <b>Memory</b>                | 32GB to 2TB RAM   |   |   |  |
| <b>Network Connections</b>   | 4x10 GbE or 4x40 GbE or 4x100 GbE   |   |   |  |
| <b>Storage Capability</b>    | 1– 6 SSD Canisters<br>Each Canister holds up to 12 Dual Ported NVMe SSDs (800, 1600, 3200 or 6400 GB)*<br>Total capacity: 9.6TB – 460TB*<br>I/O performance capacity: Over 60 GB/s transfer rate, 12M+ IOPS, fully populated<br>Storage capability share between server modules |   |   |  |
| <b>Form Factor</b>           | 2U (H 3.5" x W 17.25" x L 36.5")  |   |   |  |
| <b>Weight</b>                | 2U System 130 lbs; Large Case with Chassis 100 lbs; Small Case with 6 Canisters 60 lbs  |   |   |  |
| <b>System Cooling</b>        | 7x60 mm dual stage counter rotating heavy duty fans with PWM fan speed controls   |   |   |  |
| <b>Power Supplies</b>        | 80 PLUS TITANIUM Grade Dual Redundant Power Supplies<br>@100-120v: Dual 1100W Out @100-120V, 15A + Dual 1000W Out @100-120V, 10.5-12.5A, 50-60Hz<br>@230-240v: Dual 1500W Out @230-240V, 11A, + Dual 2000W Out @230-240V, 9.8-10.0A, 50-60Hz                                    |   |   |  |

\* Increased capacity supported as higher capacity SSDs become available

\*\* Shown are example CPU configurations. Axellio supports the full line of the Intel® XEON® processor E5-26xx V4 family