

# HRW COMPUTE NODE

## Half Rack Width Compute Node

Sub U Systems (SUB-U) Compute Nodes bring enterprise-class compute to tactical edge of network use cases, where size, weight and power (SWaP) is critical. Robust computing at the tactical edge enables real time data processing, where and when data is being captured, resulting in reduced command and control (C2) latency and improved situational awareness.

Half Rack Width (HRW) Compute Nodes are small form factor, enterprise-class servers offering enterprise levels of performance. They support popular hypervisors and hyper-converged hypervisors along with other operating systems designed for x86 platforms. With enough processing power, memory and storage to support running a dozen plus virtual machines (VMs) on a single piece of hardware, the potential applications and use cases are endless. HRW Compute Nodes significantly reduce the overall size, weight, power consumption and cost of deployable of large-scale communications solutions.



### Removable Storage

The HRW Compute Node offers an innovative removable disk drive cartridge that holds up to (4) four 2.5" spindle or SSD drives. The cartridge feature allows a user to quickly and easily remove all drives in a single module without tools, simplifying the transportation of compute modules used on classified networks, as all non-volatile memory is removed.

### Virtual Machine Hypervisors

SUB-U Compute Nodes support an array of commercially available hypervisors and hyper-converged hypervisors, software-based IP networking appliance virtual machines (VMs), and application-based VMs. Supported hypervisors include VMware (ESXi), Microsoft (KVM), Nutanix, Citrix (XEN), SUB-U (IAS ROS), Cisco (NFVIS), and Linux (KVM).

### Tactical Field Office HRW Appliances

The HRW form factor, designed for the Tactical Field Office (TFO), is industry standard one Rack Unit (RU) tall in a half rack width and shallow depth. HRW appliances can be inserted into and removed from the TFO chassis system quickly and easily without tools. Additionally, they can operate freestanding outside the chassis system, as they do not rely on the chassis for power or network interconnectivity. The TFO chassis system is shallow in depth, allowing users to create sophisticated communications packages that are single-man portable and airline carry-on luggage compliant. Conversely, you can combine multiple 2U and 3U chassis to create a less portable, high-density scalable solution.

### Applications/Benefits

- ◀ Signal and image data processing/storage
- ◀ Virtual Desktop Infrastructure (VDI) solutions
- ◀ Modular mobile solutions
- ◀ Rapid, scalable, enterprise IT deployment
- ◀ Supports tactical use cases
- ◀ Operating Temperature: -20°C ~ +70°C
- ◀ Wide Range DC Input 9 ~ 36 VDC & AC
- ◀ < 4 lbs.

### Specifications

- ◀ D-1500 series - 8.3 x 1.6 x 11 inches (WxHxD)
- ◀ D-2100 series - 8.3 x 1.6 x 11 inches (WxHxD)



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