



## w-MetroExpress



figure 1: w-MetroExpress

w-MetroExpress™ (see figure 1) is a 24U, NEMA 12, Micro-Modular Data Center that provides 2.5KW and up to 6KW of onboard closed loop cooling directly to the equipment. The patented In Motion Engineering™ suspension protects sensitive equipment from vibration and shock sustained in a mobile environment. w-MetroExpress' small, scalable nature provides an inexpensive data center solution or co-location alternative. The self-propelled feature (see figure 2) allows a user to move up to 1,000 pounds of rack-mounted electronic equipment.



figure 2: Self-propelled feature

### Key Features

- Single or dual onboard closed loop cooling (see figure 3)
- Self-propelled platform allows one person to move up to 1,000 pounds of equipment up a 6% grade
- Industry standard 19" wide X 42" deep racks are fully adjustable for depth
- Self-contained I/O panel provides connectivity to the equipment within the enclosure without allowing access to the sensitive equipment inside
- Access point to I/O panel, front door, and motion systems can be secured by tamperproof CyberLock system

### Product Features

- NEMA 12 environmental package with NEMA 4 option
- Exterior welded steel shell and frame mounted securely on a power assisted platform
- Welded steel inner frame conforms to industry standard 19" x 42" racks that are fully adjustable for depth
- A/C Power Options – Standard – 208 – 240
- VAC 50/60 Hz or Optional 120 VAC 50/60 Hz
- Air temperature can be controlled by a 2.5 KW single or 6.0 KW dual closed loop A/C units
- Self-propelled platform allows one person to move up to 1,000 pounds of rack-mounted equipment up a 6% grade
- Sound dampening (72 dB = indoor conversation)
- Tamperproof CyberLock security system with programmable electronic lock, multi-tier security and audit trail

## CapEx Savings

- Reduce the costs to plan, build and implement your new facility by up to 80% vs. a Traditional Data Center

## OpEx Savings

- Reduce footprint up to 75%
- Reduce cooling and electrical costs up to 50%
- Reduce operating costs by 65%
- Perfectly scalable - build as you need and pay as you grow

## Time Savings

- Enclosures can be delivered within 8 weeks compared to two years for a Traditional Data Center

## Optional Upgrades

- 3/8" square or 10-32 tapped rail
- Self-contained I/O patch panel
- Water heat exchanger
- External RF antennas
- Active fire suppression with Novek 1230
- \*Second top-mounted A/C
- Aerogel 16R nano-particle insulation

## Applications

- Instant Data Center or Network Closet
- Remote Office Support
- Infrastructure Upgrade and Hardening
- Re-establish Communications
- Mobile Computing
- Offsite Data Replication
- High-Density Zone
- Emergency Management
- Disaster Recovery
- Data Center Expansion or Retrofit

Technical Specifications	
Dimensions	60" tall x 24" wide x 66" long*
Weight	850 lbs*
Dynamic Load Capacity	1,000 lbs*
Mobility Range	10 miles*
Speed	2.6 mph
Operational Temperature	0° to 120°F*
Internal Storage Capacity	24U
Total Cooling Capacity	2.5 KW Single A/C Standard; 6.0 KW Dual A/C Optional
* depending upon upgrade options selected	

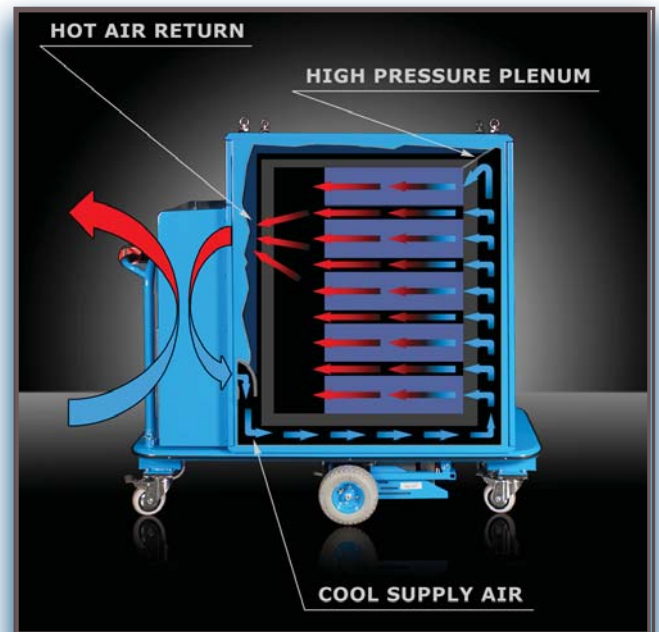


figure 3: Onboard Closed Loop Cooling

**Wave2Wave** provides business essential infrastructure solutions that enable leading enterprises to unlock and realize the benefits of next generation data center technologies. Our data center product families include environmentally friendly and smart network cabling, modular and cost-efficient data centers, optical wavelength management systems and intelligent network infrastructure management software. Our products and solutions serve enterprise, government, military and service provider customers and markets in their mission critical data center and IT applications.



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