RICHMOND DATA CENTER SPECIFICATIONS

RICHMOND
Data Center

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Digital Fortress Virginia Data Center

Digital Fortress, a Chirisa company acquired a new facility in Richmond, VA which is available for immediate occupancy with 4.2MW of available power on an N+1 concurrently maintainable configuration with 25MW of expansion capabilities.

The 242,000 sq.ft. facility has 18,270 sq. ft. of built-out white space in a single data hall. 196,625 of future data hall shell space is available for provisioning in twenty weeks.

The facility is located 9.4 miles from Richmond International Airport (RIC) and 20 miles from Richmond, VA.

With just 148 miles to Ashburn, one way latency speeds are within 4 milliseconds.

1401 Meadowville Technology Pkwy

Quick Facts

- 0.7 miles to I-295
- 9.4 miles to Richmond International Airport (RIC)
- 20 miles to Richmond, VA
- 4 ms one way latency speed to Ashburn
- Newly constructed east/west, fully diverse multi-duct and fiber system

Amenities

- Class A office space,
- Seats up to 120 employees
- Common kitchen and lounge area
- Restrooms
- Designated IT stage and build room
- Loading dock
- Dedicated parking

DIGITALFORTRESS

www.digital-fortress.com

BUILDING

Space

Data center	242,042 sq. ft. facility
	196,625 sq. ft. shell core expansion
	18,270 sq. ft. raised floor
Building Type	Single floor design

Precast concrete construction purpose-built data center

Existing land supports 2 additional data center development projects

FACILITIES

Power density	4.2 MW scalable to 25 MW
	Diverse feeds (2) substations
Battery room	(4) electrical rooms
Generators	(5) 3MW diesel generator
Power configuration	N+1 distributed redundant uninterruptible supply
UPS configuration	N+1 concurrently maintainable
Cooling	N+1 centrifugal chillers
Fuel	(2) 15,000 gallon diesel tanks
	72 hours of runtime at full load

SECURITY

- Dedicated visitor center secure and separate from the facility
- Fenced perimeter
- Controlled access with man-traps and badge readers to all interior spaces and critical MEP rooms
- Video surveillance of the entire internal/exterior facility with 200+ cameras onsite
- 7x24x365 staffing
- 24/7 NOC technician

FIRE SUPPRESSION

Fire Suppression (8) pre-action zones (dry pipe with nitrogen) VESDA fire early-detection

CAPABILITIES

- Dedicated hall
- Shell and core
- Ready-to-build land

COOLING

- Chilled water distribution system
- 175,000 gallon thermal storage tank
- Hot aisle/cold aisle containment

ELECTRICAL DISTRIBUTION

4 SYSTEMS EACH

(4 to make 3) systems of 2200 kW Leibert NXL UPSs; 20 year wet cell batteries with separate battery rooms

Switchgear draw out tie breaker design

NETWORK CONNECTIVITY

- Redundant critical services with diverse connectivity to fiber with two physically separate demarcation points
- Newly constructed 6 way underground secure duct system with full east/west diverse paths to major fiber providers
- Diverse fiber connectivity with new 288 count fiber construction within Meadowville Park Road providing direct access to Virginia Beach cable landing stations
- Verizon provides existing fiber with AT&T, Comcast, Segra, Lumos, MBC, SummitIG, and Windstream fiber and duct in proximity to the facility and new duct system.

DESIGN & COMPLIANCE

- Digital Fortress is committed to the highest standards of compliance and levels of certification: Fedramp, FISMA, PCI-DSS, and Type II SOC1 & SOC2
- LEED Gold Certified
- Tier III N+1 concurrently maintainable
- Floor load 800 PSF
- Raised floor 2500 PSF tile slab on grade
- Walls: Exterior - precast
          Interior - mix of stud, sheetrock, precast
- Roof precast 4" topping slab, insulated, white rubber membrane
- Rated to withstand 150 MPH winds, seismic category 4
- Hot aisle containment, thermal and makeup water storage
- 150" setback, physically separate visitor building