Mobyl Data Center:
SR-10-FDD

The MobylDataCenter comes equipped with **10 BioDigitalPC®/MobylPC** server docking stations to form a cohesive, scalable server cluster. The **SR**-10-FDD can be scaled from 1 to 10 servers simply by plugging more BioDigitalPC®/MobylPC
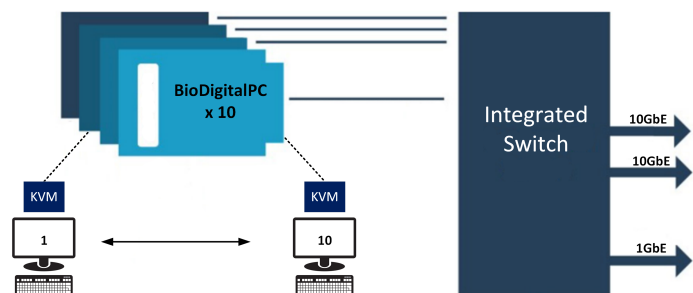

The SR-10-FDD is a Fiber High Density Desktop Dock offering. This unique desktop solution is designed to deliver 10 desktop computers over a tempest rated fiber in a 2U standard 19" rack configuration. Networking and power has been designed to deliver classified networks in one 2U shelf. Each desktop is designed to deliver KVM access through single fiber LC connection over a maximum distance of 20 KM. The SR-10-FDD has slots capable of receiving up to 10 BioDigitalPC® computers.

Each BioDigitalPC® card is secure FIPs 140-2 Level 3 capable on board trusted platform module (TPM). The SR-10-FDD comes ready to install in minutes right out of the box. It is shipped with networking connectors and 2 high quality data center certified power supplies.

Also available to SR-10-FDD users is the simple to use web based GUI, which provides the ability to effortlessly monitor power (to system and individual modules) as well as management for each BioDigitalPC® card.

The SR-10-FDD is composed of one SR-10 module, the module comes with 10 BioDigitalPC® card slots (cards sold seperately),and each slot has three 1G NICs. All 30 NICs are then connectedto a Layer 2 managed switch with 2 SFP+ 10Gb interconnects, an auxiliary 1 Gb connection, and 10/100 for management.

The SR-10 can be scaled from 1 to 10 desktop PC's, each PC, enabled with 3 x 1GbE Network Interfaces connect to single 10GbE backlane.

Specifications:

- **Dimensions:** 3.5"H x 19" W x 18"D
- **Dimensions:** 64mmH x 483mmW x 457mmD
- **Weight:** 18 lbs fully loaded with 10 BioDigitalPC® cards
- **AC Power:** 100-240V
- **Max Server Cards:**
  10 BioDigitalPC® x86 Desktop cards
  2-4 CPU cores per desktop
  8-16GB of DDR4 RAM per desktop (32GB soon)
  1 TB onboard NVMe SSD per desktop
- **Remote management:** (1) Remote Power Management Web GUI
- **SR-10 Modules:** 1

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+44 (0)1432 354855
enquiries@c4isystems.com
www.c4isystems.com