

SR-20-FDD

Introducing ADDC's Fiber High Density Desktop Dock offering, the SR-20-FDD. This unique desktop solution is designed for to deliver 20 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-20-FDD has slots capable of receiving up to 20 BioDigitalPC® computers.

Each BioDigitalPC® card is secure FIPs 140-2 Level 3 capable onboard trusted platform module (TPM). The SR-20-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-20-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-20-FDD comes in a 2U sized draw, which extends out of rack placement 24" to expose entire shelf. The SR-20-FDD is composed of two SR-10 modules, each module comes with 10 BioDigitalPC® card slots (cards sold separately), and each slot has three 1G NICs. All 30 NICs are then connected



to a Layer 2 managed switch with 2 SFP+ 10Gb interconnects, an auxiliary 1 Gb connection, and 10/100 for management.

The SR-20-FDD can be scaled from 1 to 20 desktops over one classified network simply by plugging BioDigitalPC® cards into available slots and configuring the internal networking. When completely scaled out, the SR-20-FDD allows for 20 BioDigitalPC® computers each with it's own fiber KVM connection capable of reaching 20KM.

Tech Specs

SKU	ADDC-SR20-FDD
Size	3.5"H x 19" W x 24"D
Weight	22 lbs fully loaded with 10 BioDigitalPC® cards
AC Power	100 - 240V, single phase
Power Usage	500W fully loaded with 20 BioDigitalPC® cards
Max Server Cards	20 BioDigitalPCs® x86 desktop cards 2-4 CPU cores (4-8 threads) per desktop 8-16GB of DDR4 RAM per desktop (32GB soon) 1TB onboard NVMe SSD per desktop (2TB soon)
Remote Management	(1) Remote Power Management Web GUI
SR-10 Modules	2
Each SR-10 Module Includes	(10) BioDigitalPC® Slots (1) Integrated Layer 2 Switch, with: (2) 10Gb SFP+ connections (1) RJ-45 1Gb connection (1) RJ-45 1Gb Switch Web GUI connection (1) RJ-45 10/100Mbps switch management port

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