



F5 ARX Series

Datasheet
F5 ARX Series



ARX Series Intelligent File Virtualization Devices

The industry's most scalable, reliable platform for simplifying file storage

Today's file storage environments comprise a complex collection of storage platforms, file systems and operating systems that result in isolated islands of storage. Frequent outages occur when data is moved or new storage is provisioned due to the dependencies between clients and storage resources. Low aggregate utilization rates are common. Burgeoning capacity demands increase the operational overhead associated with file storage management.

F5® ARX® devices allow you to break free from these constraints by introducing intelligent file virtualization into the file storage infrastructure — eliminating the disruption associated with storage administration and automating many storage management tasks. The result is a dramatic improvement in cost, agility and business efficiency.

Key Benefits

- Multiple services in a single platform including Global Namespace, migration, tiering, replication and load balancing
- Industry-leading performance and scale
- Uncompromising availability
- Real-time policy enforcement
- Enterprise-class manageability and supportability
- Freedom to leverage storage technology of choice

Simplify File Storage with the F5 Acopia ARX Series

F5 Acopia ARX devices are high performance, highly available, intelligent file virtualization systems that dramatically simplify file storage management.

True Heterogeneity

ARX systems use industry standard file access protocols to communicate with clients and servers — CIFS for Windows® devices and NFS for Unix® or Linux devices. The ARX does not introduce a new file system, but acts as a proxy to the file systems that are already there. With the ARX, enterprises are not required to forklift upgrade hardware, or replace existing file systems, or install software agents across the enterprise, in order to gain the benefits of virtualization.

Since it is based on industry-standard protocols, the ARX is compatible with the vast majority of Network Attached Storage (NAS) devices and file servers, providing the benefits of virtualization across a heterogeneous infrastructure.

Unmatched Scalability and Performance

The ARX is designed to handle the stringent performance and scalability demands of the enterprise. The ARX's patented split-path architecture separates the data and control paths in the system. This allows the ARX to sustain very high performance levels for file access workloads while simultaneously performing complex operations such as storage management policy. Data path functions are handled at wire-speed rates, and control path functions have their own dedicated processing and memory resources.

The ARX is the only file virtualization solution proven to scale to billions of files, with the ability to handle gigabytes of throughput.

Uncompromising Availability

F5 ARX products have been designed with high availability and data integrity in mind. All ARX systems support automatic service fail-over between ARX devices in a cluster upon failure, and data integrity is ensured throughout the entire process.

The ARX does not modify user data, nor does it create proprietary stub files on file storage assets. This ensures the integrity and accessibility of data at all times.

The ARX provides superior system availability through hardware and network redundancy, as well as through enhanced software resiliency mechanisms.





Real-time Policy Enforcement

ARX devices are unique in their ability to monitor client demand, resource capacity and network conditions, and adapt in real time to respond to these changing dynamics. This allows ARX devices to perform unique functions such as a dynamic load balancing and real-time placement of data on appropriate storage. It also eliminates much of the overhead associated with searching entire file systems in order to determine policy actions, as is common in other file virtualization approaches.

Enterprise-class Manageability and Supportability

The ARX provides easy-to-use management interfaces, including a command line interface (CLI) and graphical user interface (GUI). The GUI supports wizard-driven configuration that makes even the most complex policies intuitive.

The ARX offers comprehensive supportability and troubleshooting capabilities, including SNMP, extensive logging and reporting, automated "e-mail home" support, port mirroring and packet capture.

Unique Flexibility

The ARX series is powered by the F5 Data Management Operating System, which automates many storage management tasks that are performed manually today, and eliminates the disruption associated with those tasks. Its unique suite of storage management policies includes data migration, automated storage tiering, data replication, and dynamic load balancing.

Physical Specifications



ARX6000



ARX4000



ARX1000



ARX500

Scale: >2B files

Protocols: NFS, CIFS, Multi-protocol

Configuration: Modular, 6 slots

Maximum Gigabit Ethernet Ports: 24

Maximum 10 Gigabit Ethernet Ports: n/a

Power Supplies: Redundant, hot-swappable

Dimensions: 22.75" H x 19" W x 23" D (per unit) 13U industry standard rack-mount chassis

Weight: 150 lbs.

Operating Temperature: 32° to 104° F (0° to 40° C)

Relative Humidity: 5-95%

Safety Agency Approval:

UL 60950

cUL listed to CSA C22.2 No. 950

IEC950 (EN60950) CE Marking

Certifications/Susceptibility Standards:

FCC Part 15 Class A

CISPR22 Class A (EN55022) CE Marking

EN 55024

VCCI Class 1

Maximum Power Consumption: 1704 W

Maximum Heat Output: 5812 BTU/hr

Input Voltage: 220VAC

Scale: 2B files

Protocols: NFS, CIFS, Multi-protocol

Configuration: Fixed

Maximum Gigabit Ethernet Ports: 12

Maximum 10 Gigabit Ethernet Ports: 2

Power Supplies: Redundant, hot-swappable

Dimensions: 7" H x 19" W x 29" D (per unit) 4U industry standard rack-mount chassis

Weight: 96 lbs.

Operating Temperature: 50° to 95° F (10° to 35° C)

Relative Humidity: 5-95%

Safety Agency Approval:

UL 60950

ETL Listed

IEC950 (EN60950) CE Marking

Certifications/Susceptibility Standards:

FCC Part 15 Class A

CISPR22 Class A (EN55022) CE Marking

EN 55024

VCCI Class 1

Maximum Power Consumption: 975 W

Maximum Heat Output: 3328 BTU/hr

Input Voltage: 110VAC

Scale: 384M files

Protocols: NFS, CIFS, Multi-protocol

Configuration: Fixed

Maximum Gigabit Ethernet Ports: 6

Maximum 10 Gigabit Ethernet Ports: n/a

Power Supplies: Single

Dimensions: 3.375" H x 19" W x 23.75" D (per unit) 2U industry standard rack-mount chassis

Weight: 35 lbs.

Operating Temperature: 32° to 104° F (0° to 40° C)

Relative Humidity: 5-95%

Safety Agency Approval:

UL 60950

cUL listed to CSA C22.2 No. 950

IEC950 (EN60950) CE Marking

Certifications/Susceptibility Standards:

FCC Part 15 Class A

CISPR22 Class A (EN55022) CE Marking

EN 55024

VCCI Class 1

Maximum Power Consumption: 608 W

Maximum Heat Output: 2075 BTU/hr

Input Voltage: 110-220 VAC

Scale: 384M files

Protocols: NFS, CIFS, Multi-protocol

Configuration: Fixed

Maximum Gigabit Ethernet Ports: 2

Maximum 10 Gigabit Ethernet Ports: n/a

Power Supplies: Single

Dimensions: 1.703" H x 16.930" W x 26.457" D (per unit) 1U industry standard rack-mount chassis

Weight: 31 lbs.

Operating Temperature: 50° to 95° F (10° to 35° C)

Relative Humidity: 5-95%

Safety Agency Approval:

UL 60950

cUL listed to CSA C22.2 No. 950

IEC950 (EN60950) CE Marking

Certifications/Susceptibility Standards:

FCC Part 15 Class A

CISPR22 Class A (EN55022) CE Marking

EN 55024

VCCI Marking (Class A)

Maximum Power Consumption: 833 W

Maximum Heat Output: 2843 BTU/hr

Input Voltage: 110-220 VAC



F5 Networks, Inc.

41 Wellman Street
Lowell, MA 01851
978-513-2900 Phone
978-513-2990 Fax
www.f5.com
info@f5.com

F5 Networks Asia-Pacific

+65-6533-6103 Phone
+65-6533-6106 Fax
info.asia@f5.com

F5 Networks Ltd. Europe/Middle-East/Africa

+44 (0) 1932-582-000 Phone
+44 (0) 1932-582-001 Fax
emeainfo@f5.com

F5 Networks Japan K.K.

+81-3-5114-3200 Phone
+81-3-5114-3201 Fax
info@f5networks.co.jp