# arcserve®

# Arcserve N Series Appliances

## Hyperconverged Data Protection Powered by Nutanix. Secured by Sophos.

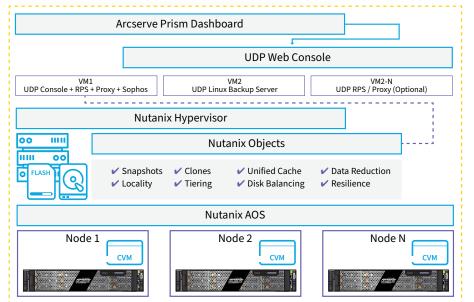### Hyper-available recovery platform

Arcserve N Series is purpose-built for always-on businesses. A hyperconverged data protection appliance converges technologies from leaders, to offer a hyper-available recovery platform for the broadest set of workloads across physical, virtual and cloud environments, covering on premise and SaaS data protection.

Arcserve's hyperconverged data protection appliances include, award-winning, Arcserve Unified Data Protection (UDP), powered by Nutanix and secured by Sophos Intercept X on a single SKU including all three technologies from Arcserve.

## Appliance Highlights

- **Hyper-Available** recovery platform for always-on businesses to access backup data 24x7
- **Scales out** incrementally and linearly, allowing customers to start small and scale with business growth
- **Built-to-fit** with a 4-Node minimum, up to 540TB effective capacity and up to 1.5TB of RAM per cluster
- **Hyper-redundant** architecture offering a resilient, high-performing environment.
- **Sophos Intercept X Advanced for Server,** to defend backup systems from ransomware attacks and others
- **On-site support** in as little as 4 hours for peace of mind

### Simple
- ✔ Single click simplicity
- ✔ Single pane of glass
- ✔ Single vendor contact

### Scalable
- ✔ Scale up and out
- ✔ Non-disruptive growth and upgrades
- ✔ Recovery at scale
- ✔ Wide support for multiple workloads

### Secure
- ✔ Multifactor authentication
- ✔ Cybersecurity for Ransomware protection
- ✔ Data at Rest Encryption (SW or SED)
- ✔ Support Immutable Storage

[Architecture diagram]

- Arcserve Prism Dashboard
- UDP Web Console
- VM1 — UDP Console + RPS + Proxy + Sophos
- VM2 — UDP Linux Backup Server
- VM2-N — UDP RPS / Proxy (Optional)
- Nutanix Hypervisor
- Nutanix Objects
  - ✔ Snapshots ✔ Clones ✔ Unified Cache ✔ Data Reduction
  - ✔ Locality ✔ Tiering ✔ Disk Balancing ✔ Resilience
- Nutanix AOS
- Node 1 — CVM
- Node 2 — CVM
- Node N — CVM

## Key Features

### Hyper-Available Recovery Platform

- Clustered and Highly Available Platform ensures hyper-availability for customer's critical backup data, eliminating the chances of business interruptions due to backup store downtime
- Shorter backup windows with optimal use of resources given the hyperconverged architecture, saves time and costs unlike traditional systems requiring laborious management needs
- Easily manage SLAs, RPOs and RTOs mandated by company policies, regional requirements, or business requirements with a hyper-available platform

### Hyperscaler, optimized for backup consolidation

- Back up and recover data from SQL Server, Exchange, File Servers, NAS, SAN, Oracle Database, UNIX, FreeBSD, AIX, HP-UX, Solaris, Oracle Database, SAP HANA and more, confident that the backups reside on a hyper-reliable and hyper-available platform
- Optimized to consolidate backups for enterprises, running exacting workloads, and spread across multiple datacenters
- Nutanix offers a resilient platform with an in-built feature called 'resiliency factor' that offers data availability and redundancy, in cases where a node or disk fails or when the system encounters disk corruptions

### Scale-Out and Pay-As-You-Grow

- Seamless scale-out allows customers to start small with just the needed investment and expand as needs increase. Traditional approaches require sizing and upfront investment considerations, eliminated with this approach
- Performance at scale is managed optimally with consistent performance irrespective of the scale-out state, unlike systems whose performance experience degradation with scale
- Eliminates the need for frequent additions or changes to computing resources, often required to optimize system performance, with a hyperconverged and unified architecture

### Secure Your Appliance from Any Threat

- Keep your backup system safe with Sophos Intercept X Advanced for Server, shipped with the Hyperconverged Appliances
- Stay protected against any threat, including unknown malware, with a deep learning neural network combined with signature-based protection from common threats
- Prevent major hacking techniques, including credential harvesting, lateral movement, and privilege escalation with exploit prevention
- Stop ransomware attacks on backup data with CryptoGuard and master boot record attacks with WipeGuard

### Ransomware-Free IT with Multi-Layer Protection for Business

- Implement secure backup for large data sets on physical, virtual or cloud systems, requiring thorough protection
- Strengthened 'Last-Line of Defense' that offers reliable backup & proven disaster recovery with market leading cybersecurity for proactive server protection
- Nutanix's object store offers tight access controls preventing potential ransomware attacks with restricted visibility that makes it difficult for ransomware to encrypt data

### Complete Peace of Mind

- Remove the "do it yourself" complexity of building and strategizing a comprehensive data protection solution that includes needs for a resilient platform, scalability needs for an expanding protection landscape along with cyber security needs by choosing Arcserve's Hyperconverged Data Protection Appliances that offers hyper-availability, incremental and linear scale-out, resilience, security, backup and cloud services – An 'All-in-One' integrated turnkey appliance
- Arcserve offers a single-point of contact, eliminating traditional hassles such as contacting multiple vendors, finger-pointing issues, and other support-related problems
- Experience unparalleled ease of deployment and usability with a simple, wizard-driven setup

## Arcserve N Series Specification

| Models | N1100-4 | N1200-4 | N1400-4 | N1600-4 |
|---|---|---|---|---|
| Data Protection Software | Arcserve UDP Premium Edition Included | | | |
| Hyperconvergence Platform | **Nutanix AOS for AHV Included** | | | |
| Cybersecurity Software | **Sophos Intercept X Advanced for Server Included** | | | |
| Rack size per node | 2U - 4 nodes built-in | 1U | 2U | 2U |
| Min # of nodes per cluster | 4 | 4 | 4 | 4 |
| HDD per node | 9.6TB | 32TB | 96TB | 120TB |
| SSD per node | 15.36TB | | | |
| RAM per node | 512GB | 384GB | 384GB | 384GB |
| Networking per node | Mellanox ConnectX-4 LX Dual Port 10/25GbE SFP28, rNDC 406-BBLG | | | |
| Processor per node | Intel Xeon Silver 4214R 2.4G, 12C/24T, 9.6GT/s, 16.5M Cache, Turbo, HT (100W) DDR4-2400 338-BVJX | | | |
| Cores per node | 24 | | | |
| Raw capacity per cluster | 100TB | 189TB | 445TB | 540TB |
| Usable capacity per cluster | 40TB | 80TB | 160TB | 240TB |
| Drives per cluster | 24 | 16 | 48 | 48 |
| Replication Factor / Failover Plan | RF2 (N+1) | | | |

### Scale-out Node (add-on)

| Models | N1100* | N1200 | N1400 | N1600 |
|---|---|---|---|---|
| Rack size per node | 2U - 4 nodes built-in | 1U | 2U | 2U |
| Number of nodes | 4 | 1 | 1 | 1 |
| HDD per node | 9.6TB | 32TB | 96TB | 120TB |
| SSD per node | 15.36TB | 15.35TB | 15.36TB | 15.36TB |
| RAM per node | 512GB | 384GB | 384GB | 384GB |
| Raw capacity per node | 100TB | 47TB | 111TB | 135TB |
| Usable capacity per node | 40TB | 25TB | 50TB | 70TB |
| Networking per node | Mellanox ConnectX-4 LX Dual Port 10/25GbE SFP28, rNDC 406-BBLG | | | |
| Processor per node | Intel Xeon Silver 4214R 2.4G, 12C/24T, 9.6GT/s, 16.5M Cache, Turbo, HT (100W) DDR4-2400 338-BVJX | | | |

* Each unit comes with 4 nodes built-in, the resources identified are for all four nodes and not just 'per node'

# Take the Next Step

**Find out more at arcserve.com
or contact us at +1 844 639-6792**

## About Arcserve

Arcserve, a global top 5 data protection vendor, provides the broadest set of best-in-class solutions to manage, protect and recover all data workloads, from SMB to enterprise and regardless of location or complexity. Arcserve solutions eliminate complexity while bringing best-in-class, cost-effective, agile, and massively scalable data protection and certainty across all data environments. This includes on-premises, cloud (including DRaaS, BaaS, and Cloud-to-Cloud), hyperconverged, and edge infrastructures. The company's nearly three decades of award-winning IP, plus a continuous focus on innovation, means that partners and customers, including MSPs, VARs, LARs, and end-users are assured of the fastest route to next-generation data workloads and infrastructures. A 100% channel-centric organization, Arcserve has a presence in over 150 countries, with 19,000 channel partners helping to protect 235,000 customers' critical data assets. Explore more at arcserve.com and follow @Arcserve on Twitter.

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