# Nimble Storage AF1000 All Flash Array

## The World's Biggest Little All Flash Array

The AF1000 is the All Flash entry point to the Nimble Storage Predictive Flash platform. It delivers the functionality and scalability of a high-end All Flash array at a very attractive price point. And it's All Flash. Always fast. All the time.

### Small But Mighty
Scalable from 20 to 165TB effective capacity in just 4U. Non-disruptively upgradable to any other Nimble Storage All Flash array model achieving over 2PB in just 12U. And if that's not enough, it can scale-out to over 8PB of All Flash capacity in a single cluster.

### Radically Simplify Operations – The New Way
Every Nimble Storage array includes InfoSight Predictive Analytics to predict and prevent issues across the infrastructure stack, removing the headache of complex troubleshooting. Dealing with traditional IT support is a thing of the past because tasks handled by traditional level 1 and 2 support staff are automated by InfoSight. Nimble Storage's support organization is made up entirely of level 3 experts who answer calls in less than a minute on average. The most complex issues are rapidly resolved because InfoSight already has the information required to solve the problem.

### Bulletproof and Feature Rich
- Highest measured availability in the industry –  99.9999%
- Achieves 20% more usable capacity per TB of raw flash than other all flash arrays
- Industry leading inline variable block deduplication and compression
- Advanced Triple+ Parity RAID for unparalleled resiliency
- Integrated data protection for backup and disaster recovery

### We've Got Your Back With Timeless Storage
Say goodbye to forklift upgrades and hidden costs.  Our **Timeless Guarantee** provides all-inclusive software and flat support pricing for six years. Also, there is an option for a free controller upgrade after three years – a controller that's guaranteed to be faster.

### WARNING: Storage Addiction Ahead
Try the AF1000, or any Nimble Storage Flash array. You will be completely addicted. We guarantee it! More than 10,000+ Nimble Storage customers are already addicted to our Predictive Flash platform. Use it for 30 days at no risk as described in the **Nimble Storage Satisfaction Guarantee**.

## AF1000 Summary Specifications

| | |
|---|---|
| Raw Capacity (TB/TiB) | 6-46 / 5-42 |
| Useable Capacity (TB/TiB) | 4-33 / 3-30 |
| Effective Capacity (TB/TiB) | 20-165 / 15-150 |
| Max # of Expansion Shelves | 1 |
| RAID Level | Triple+ Parity |
| Max IOPS (100% Read) | 40,000 |
| Max IOPS (70% Read / 30% Write) | 35,000 |
| Onboard iSCSI/Mgmt 1Gb/10Gb ports per array | 4 |
| Optional iSCSI 1Gb ports per array | 4 or 8 |
| Optional iSCSI 10Gb ports per array | 4 |
| Optional FC 8Gb/16Gb ports per array | 4  or 8 |
| Power Requirement (Watts/kVA) | 550 / 0.61 |

Note: Effective capacity assumes 5x data reduction. See AF-Series specifications sheet for full details.

## SSD Expansion Shelf

| | |
|---|---|
| Raw Capacity (TB/TiB) | 6-184 / 5-167 |
| Usable Capacity (TB/TiB) | 4-137 / 4-124 |
| Effective Capacity (TB/TiB) | 20-685 / 19-620 |
| Power Requirement | 325W / 0.36kVA |

## Physical Specifications

| | |
|---|---|
| Dimensions | 7"H x 17.5"W x 26.5"D 17.8 cm x 44.5 cm x 67.3 cm 4 Rack Units |
| Weight | 80 lbs / 36 kg |