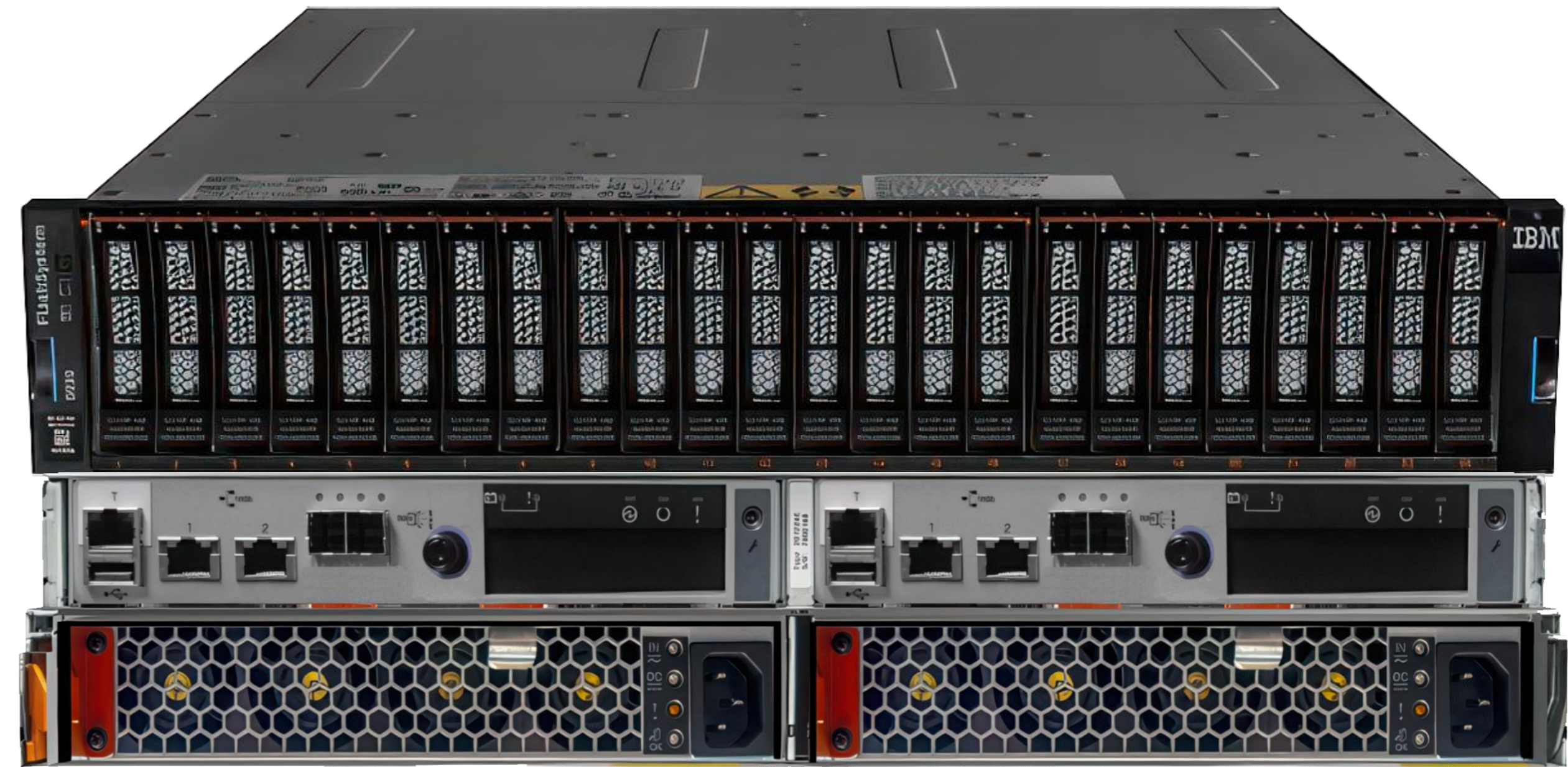


IBM FlashSystem 5000



Resilience and flexibility are designed into the hardware

R e s i l i e n c e



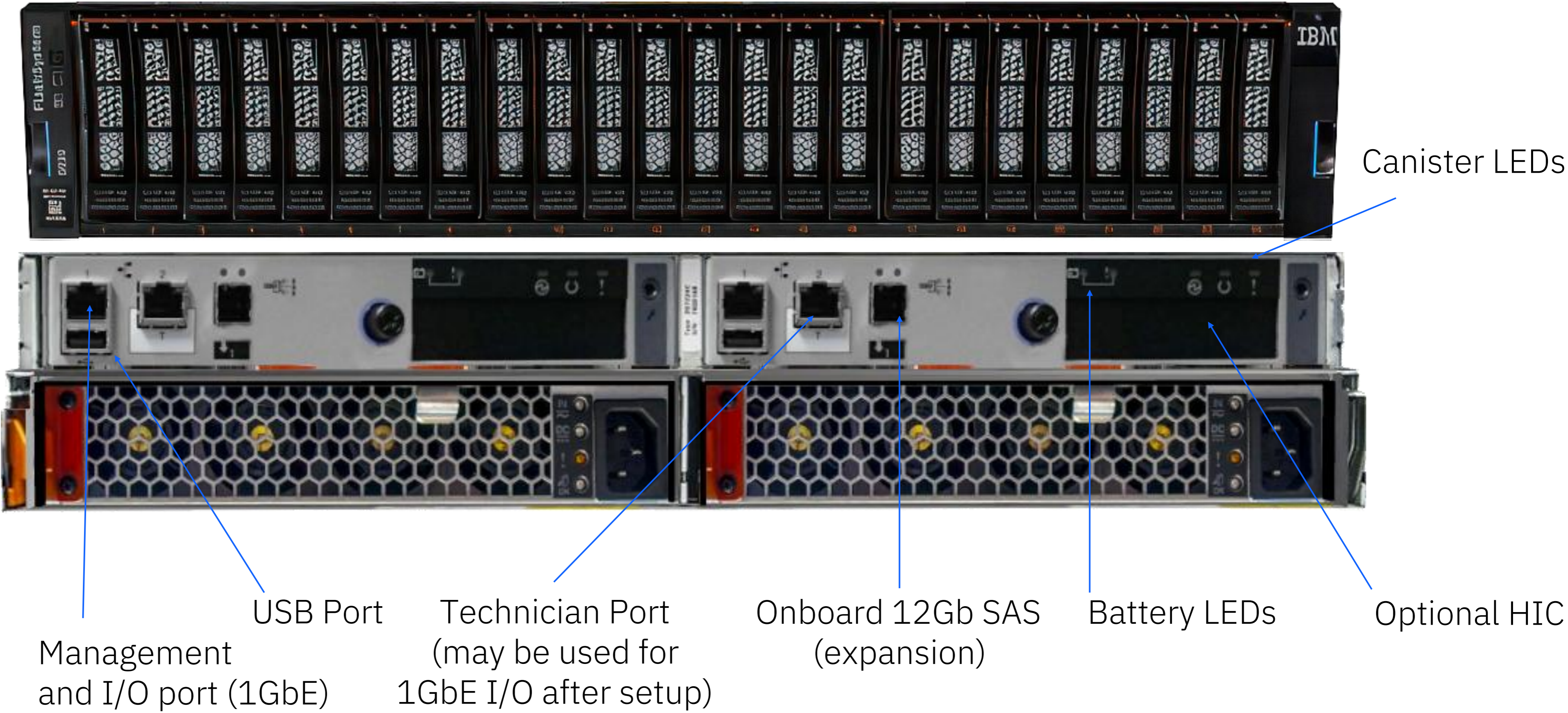
FlashSystem 5015



FlashSystem 5045

F L E X I B I L I T Y

IBM FlashSystem 5015



IBM FlashSystem 5015



FlashSystem 5015

One 2-core CPU for a total of 4-cores per system

Up to 64GB of cache per system

Up to two host adapter cards per system

Up to 400K IOPS and 8.0GB/s per system



Canister LEDs

Management and I/O port (1GbE)

USB Port

Technician Port (may be used for 1GbE I/O after setup)

Onboard 12Gb SAS (expansion)

Battery LEDs

Optional HIC

FlashSystem 5015 onboard ethernet ports

Port	Speed	Function
1	1 GbE	Management IP, Host I/O
2 - Technician	1 GbE	Technician Port, Host I/O

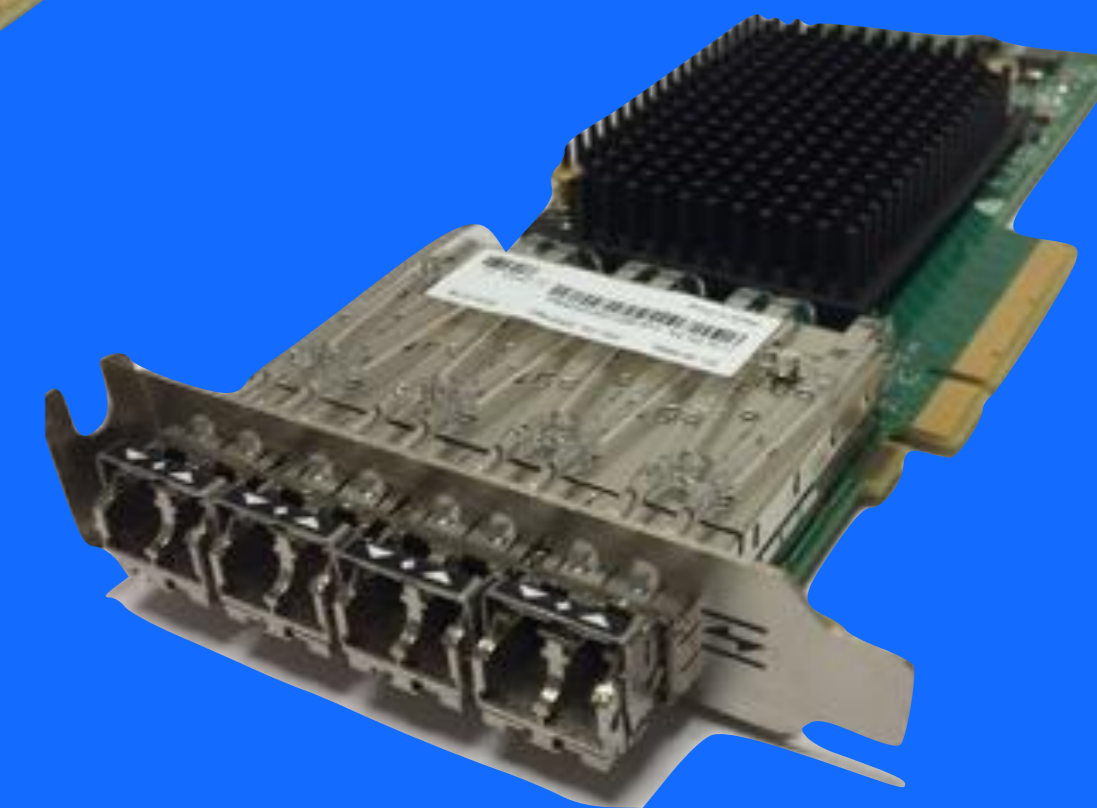


FlashSystem 5015 cache configurations

Per node canister	Per control enclosure
16GB	32GB
32GB	64GB

FlashSystem 5015 Supported Adapter Cards

Number of Cards per node controller	Ports per Card	Protocol
0 - 1	4	16G Fibre Channel
0 - 1	4	10GbE ISCSI only
0 - 1	2	25Gb Ethernet (iWarp)
0 - 1	2	25Gb Ethernet (RoCE)
0 - 1	4	12Gb SAS Host attach

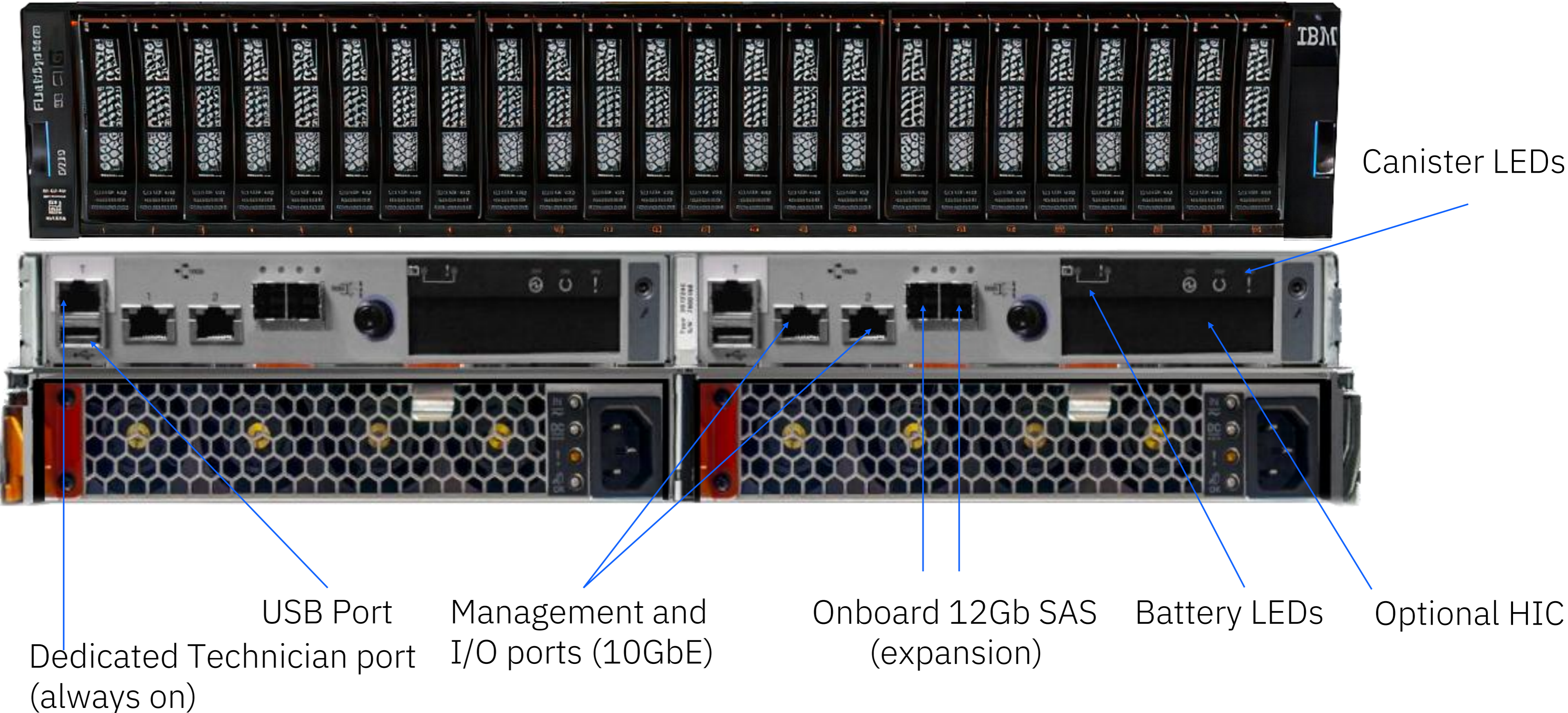


IBM Storage Expert Care IBM FlashSystem

Choose the level of support required for the duration needed.

Services	Base Warranty	Basic IBM FlashSystem 5015	Advanced IBM FlashSystem 5015	Premium IBM FlashSystem 5015
IBM Hardware Maintenance (IBM onsite repair)	FS 5015/ 5045/ 5300/ 7200/ 7300 - 9x5 next business day, IBM On-site Limited FS 9200/ 9500 – 24x7 same day, IBM On-site Repair	9x5 next business day, IBM On-site Repair	24x7 same day, IBM On-site Repair	24x7 same day, IBM On-site Repair
IBM Storage Virtualize fixes/updates/new releases	Included for 1 year	Included for number of years selected	Included for number of years selected	Included for number of years selected
Support Line for Storage (24x7 remote technical support)		Included for number of years selected	Included for number of years selected (5300, 7300 & 9500 LMC –machine type 4983)	Included for number of years selected (7300 & 9500 LMC – machine type 4983)
IBM Software Maintenance (24x7 subscription/support)	90 days		Included for number of years selected (FS9500 – <i>not applicable to machine type 4983</i>)	Included for number of years selected (7200, 9200 & 9500 – <i>not applicable to machine type 4983</i>)
Predictive Support with IBM Storage Insights			Included for number of years selected	
Predictive Support with IBM Storage Insights Pro				Included for number of years selected
IBM Storage Technical Account Manager				Included for number of years selected
Enhanced response time – 30 min for Severity 1 and 2				Included for number of years selected
IBM Remote Code Load upgrade (2x per year)				Included for number of years selected

IBM FlashSystem 5045



IBM FlashSystem 5045



FlashSystem 5045
One 6-core CPU for a total of 12-cores per system

Up to 64GB of cache per system

Up to two host adapter cards per system

Up to 1.2M IOPS and 12GB/s



Canister LEDs

USB Port
Dedicated Technician port (always on)

Management and I/O ports (10GbE)

Onboard 12Gb SAS (expansion)

Battery LEDs

Optional HIC

FlashSystem 5045 onboard ethernet ports

Port	Speed	Function
1	10 GbE	Management IP, Service IP, Host IO
2	10 GbE	Secondary Management IP, Host IO
Technician	1 GbE	Technician Port – DHCP/DNS for direct attach service management

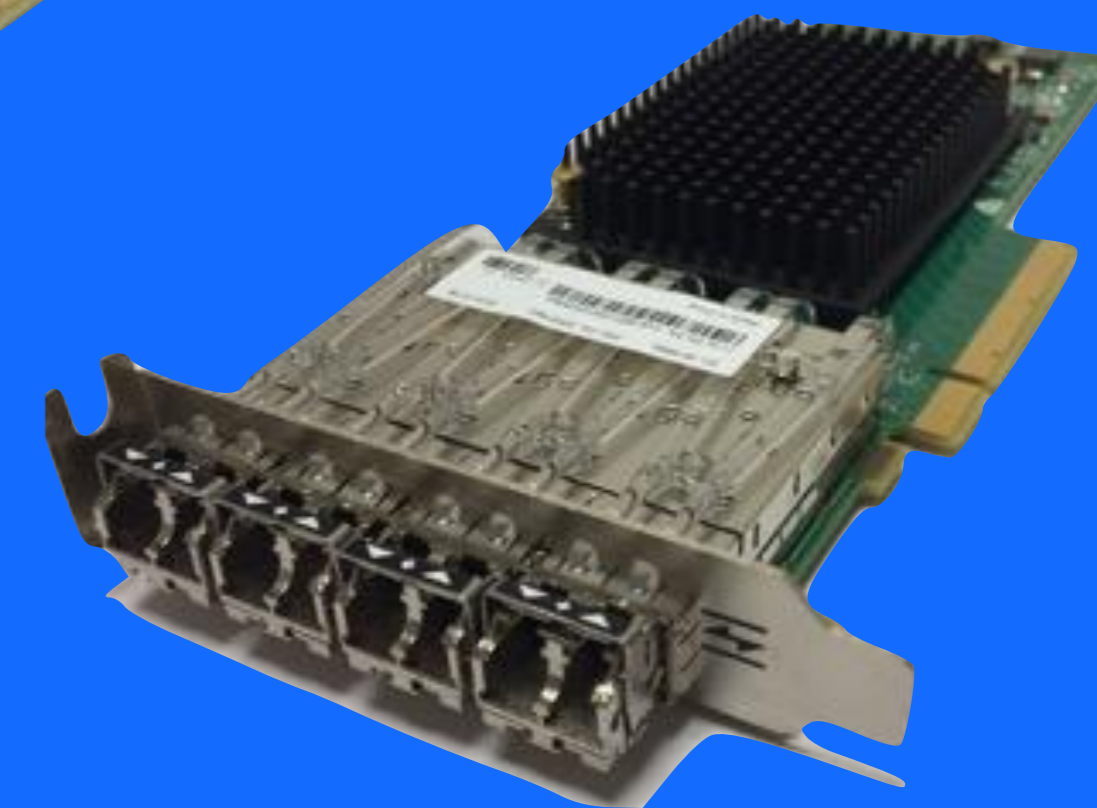


FlashSystem 5045 cache configurations

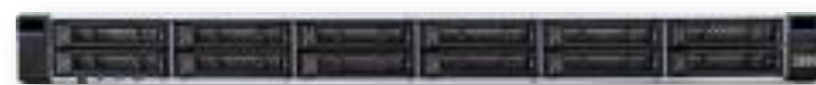
Per Canister	Per Control Enclosure
16GB	32GB
32GB	64GB

FlashSystem 5045 supported adapter cards

Number of Cards per Controller	Ports per Card	Protocol
0 - 1	4	16G Fibre Channel
0 - 1	4	10GbE iSCSI only
0 - 1	2	25Gb Ethernet (iWarp)
0 - 1	2	25Gb Ethernet (ROCE)
0 - 1	4	12Gb SAS Host attach



FlashSystem 5000 software feature comparison



	FlashSystem 5015	FlashSystem 5045	FlashSystem 5300
Compression	NA	DRP (32GB cache / system)	DRP (64GB cache / system)
Encryption	NA	Activation key required	Activation key required
Virtualization	Migration only	Migration only	Licensed by SCU
Deduplication	No	64G Cache / system	Min of 256G Cache / system
Ransomware Threat Detection	Included	Included	Included + FCM4 (hardware)
Safeguarded Copy	NA	Included	Included
PBR	NA	Included	Included
PBHA	NA	Included	Included
FlashSystem grid	NA	NA	32