

DS8910F Flexibility Class and DS8950F Agility Class

- **IBM DS8900F family offerings: Flexibility class and Agility class**
 - *Flexibility class: IBM DS8910F*
 - Replaces DS8882F and DS8884F
 - Model 533x-993 IBM Z, LinuxONE, client provided rack (where x= warranty - 1, 2, 3 or 4 years)
 - Model 533x-994 IBM rack mounted (where x= warranty - 1, 2, 3 or 4 years)
 - *Agility class: IBM DS8950F*
 - Replaces DS8886F and DS8888F
 - Model 533x-996 (where x= warranty - 1, 2, 3 or 4 years)
 - Expansion model 533x-E96 (where x= warranty - 1, 2, 3 or 4 years)
 - Can be adjacent Base frame or up to 20m apart
- **All Flash configurations**
 - Leverages current HPFE Gen2 technology



DS8900F – Common Family Capabilities

- All models have single-phase and three-phase power options
- All models have zHyperLink capability
- All models use intelligent Power Distribution Units (iPDUs)
 - Either client provided (Model 993) or IBM provided (Model 994 / 996)
- All models use the same function authorization models as the previous generation
- All models include a management enclosure with dual HMCs
 - The management enclosure is part of the model bill of materials so no feature codes are required for the HMCs
- All models include 16 / 32 Gb Adapter options
- All models default to Remote Code Load for microcode updates
- All racked models have a height of 40U
- No DS8880/DS8880F to DS8900F model conversion support



DS8900F Model Summary

Model	Processors per System	Cache per system	Expansion Frame	HAs/Ports (Max)	HPFE Gen 2 pairs/Flash drives (Max)	zHyperLink Adapters (Max)
993 *	16-cores	192 GB	N/A	8/32	1/48	4
		512 GB				
993 **	16-cores	192 GB	N/A	8/32	2/96	4
		512 GB				
994	16-cores	192 GB	N/A	16/64	4/192	4
		512 GB				
996	20-cores	512 GB	N/A	16/64	4/192	4
	40-cores	1024 GB	E96	32/128	8/384	12 ***
		2048 GB				

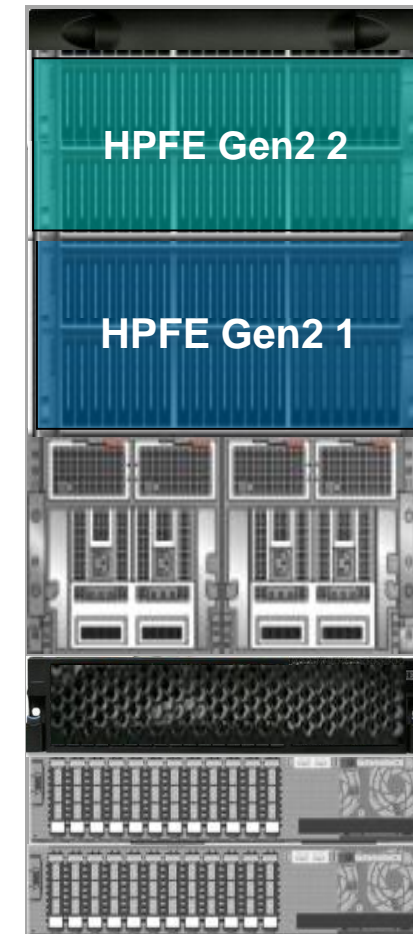
* Installed in a compatible IBM Z or LinuxONE rack

** Installed in a compatible customer provided rack

*** Maximum 8 in the 996 or the E96; Maximum 12 per system (delivered in pairs)

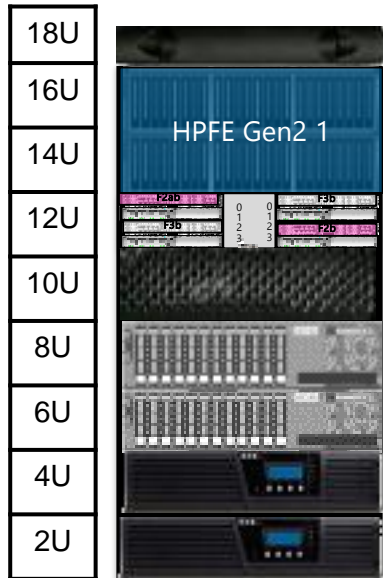
DS8910F Model 993 – Client provided Rack Option

- **When installed in a compatible customer provided rack (conforms to EIA 310D specifications):**
 - Contiguous rack space is required
 - Minimum of 15U / maximum of 20U
 - Up to two HPFE Gen 2 pairs are supported
 - Requires a minimum of 19U contiguous space with two HPFE enclosures
 - Maximum of 20U of contiguous space with two HPFE Gen 2 pairs and 1U keyboard/display
 - Management Enclosure contains two HMC's and Ethernet switches
 - iPDUs are optional
 - Can use the iPDUs of the customer provided rack
 - 1U keyboard/display optional
 - Can use the keyboard/display of the customer provided rack



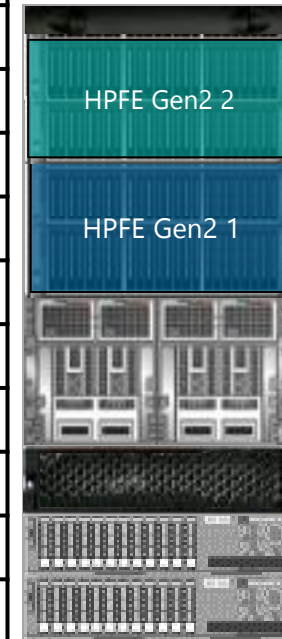
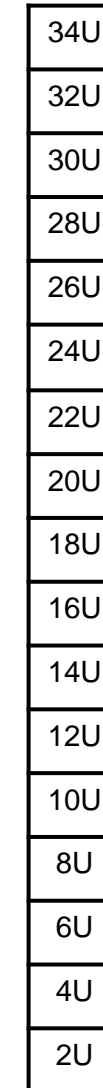
DS8882F to DS8910F Comparison

DS8882F



Features	DS8882F	DS8910F
Rack Size	No Rack	No Rack
Min Size	16 U (ZR1 / LinuxONE) 17 U (with Keyboard / Monitor)	15U (ZR1 / LinuxONE) 16 U (with Keyboard / Monitor)
Max Size	17 U (with Keyboard / Monitor)	20 U (with Keyboard / Monitor)
Processor complex (CEC)	2 – Power 8	2 – Power 9 MTM 9009-22A
IO Bay Pairs	1 – 2U	1 – 5U
Max HA Ports	16 Ports 16Gb 4-port HA	32 Ports 16Gb 4-port HA 32Gb 4-port EDiF HA
Max Flash cards	48	96
Max HPFE Gen2	1	2
4U UPS Single phase per rack	2	0
HMC Drawer	2 – HMC 2 - Ethernet Switches	2 – HMC 2 - Ethernet Switches
Keyboard/Monitor	1 - 19" Rack mounted	1 - 19" Rack mounted
zHyperLink	0 - Not supported	Max of 4 - Supported

DS8910F



Client provided industry standard 19-inch racks

For IBM Z Model ZR1 or IBM LinuxONE Rockhopper II LR1

DS8900F High Performance Flash Enclosure (HPFE) Gen2

- Performance optimized High Performance Flash Enclosure
 - Each HPFE Gen2 enclosure
 - Is 2U, installed in pairs for 4U of rack space
 - Concurrently installable
 - Contains up to 24 SFF (2.5") Flash cards, for a maximum of 48 Flash cards in 4U
 - Flash cards installed in 16 drive increments – 8 per enclosure
 - Flash card capacity options
 - 800GB, 1.6TB , 3.2TB High Performance Flash
 - Intermix of 3 different high performance flash card capacities is allowed via RPQ
 - 1.92 (DS8910F only) / 3.84 / 7.68 / 15.36TB High Capacity Flash
 - Intermix of 3 different high capacity flash card capacities is allowed via RPQ
 - RAID6 default for all DS8900F media capacities
 - RAID5 option available for 800GB Flash cards

