IBM z16 Model A01

IBM z16 [™]	Mode	l A01	at a gl	ance											
Processor			ar a gr	a.100											
Feature		mum				Maxii	num								
Туре	CP	IFL	zIIP	ICF	IFP	CP	IFL	zIIP	ICF	IFP	SAP	Opt SAP	Spares		
Max39	0†	0†	0†	0	2	39	39	25	39	2	5	8	2		
Max82	0†	0†	0†	0	2	82	82	54	82	2	10	8	2		
Max125	0†	0†	0†	0	2	125	125	82	125	2	15	8	2		
Max168	0†	0†	0†	0	2	168	168	110	168	2	20	8	2		
Max200	0†	0†	0†	0	2	200	200	132	200	2	24	8	2		
Channels -	- Maxii	mum <i>F</i>	\dapter	S											
	FICO	FICON Express on iPDU §				FICON Express on BPA ** OS						SA-Express on iPDU or BPA ††			
Max39 -		192)		48						
Max200	0														
Inter-LPAF	R Comi	munica	ations												
HiperSockets [™] Up to 32 high-speed 'virtual' Local Area Networks															
SMC-D Up to 32 ISM virtual CHPIDs						IPIDs									
IBM zHype	erLink™														
IBM zHyper			.1		16 ac	lapters (3	2 Ports)-	can be	shared	by mult	iple LPA	Rs			
Coupling L	inks														
Internal Co	upling r	naximu	ım		64										
Coupling Express2 LR maximum						32 adapters §§ ††									
ICA SR1.1 r					48 ac	48 adapters §§ ††									
Cryptograp	ohy (60) AP M	ax)												
		Crypto Express8S				Crypto Crypto Express7S (1-Port					Crypto Express6S (1- Port adapter)				
	(2	(2-port adapters)			xpress adapter)										
					8S (1-pc	ort									
				apte											
					r)										
Max		30 adapters		16	16 adapters ***					16 adapters ***					
			ada												
Compress	ion Acc	colorat	ion		ers										
zEDC Expre				forwa	d – Com	nnraccion	canahilit	ty now o	n z16 ni	rncasso	r chin				
RDMA ove							Саравін	ty now o	питор	000330	л спір				
						ress2.1,	10 GhF 5	RoCE Eyr	ress		16 ac	lapters §§	+++		
Processor			· - · · · · · ·	SUL IV		,, UUUL, 1, .	LO GDE I	LAL	,, 000		_υ αι	10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	111		
Feature	- 101110	· y			Minimur	<u> </u>			Ma	aximum	(BPA is	½ the max	imum)		
				512GB						LOTB §§§					
				512GB						OTB					
				512GB											
				512GB											
				512GB											
IBM Virtua	ıl Flash	Mem	ory												
Min:	0														
Max	6TB	6TB (ordered 0-12, in increments of 0.5TB)													

deability					
Upgradeable within the IBM z16 family ****					
No upgrade into features Max168 or Max200					
Upgradeable from the IBM z15 [™] and the IBM z14 [®] M01-M05					

Operating Sy	ystems					
z/OS [®]	z/OS					
	V2.5					
	z/OS 2.4					
	z/OS 2.3					
Linux® on IBM Z®	Canonical, Red Hat* and SUSE with their latest supported releases and versions; for the certified levels please see IBM tested platforms page: ibm.com/it-infrastructure/z/os/linux-tested-platforms					
z/VSE*	z/VSE 6.2					
z/TPF	z/TPF 1.1					
Supported H	d Hypervisors					
z/VM°	z/VM 7.2 z/VM 7.1.					
KVM	KVM hypervisor for IBM Z which is offered with the following Linux distributions from Canonical, Red Hat and SUSE, contact your Linux distributor for more information.					

^{*} If ordering a zIIP, one or more general purpose processor (CP) per the specialty engine is required. IBM has modified the ratio of zIIP to CPs to be 2:1. Up to two zIIP processors may be purchased for every general purpose processor purchased on the server.

†There must be at least one CP, IFL or ICF ordered on the server. No IFL is required unless ordering an IFL only server—model capacity identifier 400. No ICF is required unless ordering an ICF only server—model capacity identifier 400. If you order a 400 no CP is orderable.

§ FICON Express with Intelligent Power Distribution (iPDU) allows for a maximum of 12 PCIe+ I/O drawers. At Max125, this is limited to 11 PCIe+ I/O drawers. At Max39, this is limited to 6 PCIe+ I/O drawers. Each adapter has 2 ports. FICON Express16SA can be ordered new. When the Fibre Channel connection endpoints use the FICON Express 16SA adapters to the IBM DS8900F storage, authentication of the endpointsis enabled. FICON Express16S+, FICON Express16S and FICON Express8S are carry forward only.

** FICON Express with Bulk Power Assembly (BPA) allows for a maximum of 10 PCIe+ I/O drawers. Each adapter has 2 ports. FICON Express32 can be ordered new. When the Fibre Channel connection endpoints use the FICON Express32 adapters to the IBM DS8900F storage, authentication of the endpoints is enabled.FICON Express16S+, FICON Express16SA and FICON Express8S are carry forward only.

†† OSA-Express adapters: OSA-Express7S 25 GbE SR1.2 has 1 ports per adapter and can be ordered new. OSA-Express7S 25 GbE SR has one port per adapter and can carry forward. The OSA-Express7S 1000Base-T has 2 ports per adapter, OSA-Express7S 10 GbE has 1 port per adapter and OSA-Express7S GbEhas 2 ports per adapter. The OSA-Express6S and OSA-Express5S are carry forward only and have 1/2 port(s)per adapter.

§§ Two ports per adapter

*** Carry forward only

††† Carry forward or new build

§§§ Provides the minimum physical memory required to hold purchase memory plus 256 GB HSA

**** Some restrictions may apply on upgradeability between adapters. No upgrade into the z16 A01 from the z15 T02.

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