

IBM MAINFRAMES

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	z9-109	z990	z890	z800	z900
Introduced	July 2005	May 2003	April 2004	February 2002	October 2000
Overall Architecture	64-bit z/Architecture				
Multi-Chip Module (MCM) Architecture	12-16 processors; 8-10 for 'business'	12 processors; 8 for 'business'	5 processors; 4 for 'business'		20 processors; 16 for 'business'
Book packaging	Yes; consisting of MCM, memory and memory bus adapters				No
Number of models	5	4	1	10	41
Max. 'business' CPs per machine	54 on S54	32	4-way [28 settings]	4-way	16-way
Pre-req. System Assist Processors	2 per book	2 per book	1 per server		2 or 3 per server
Integrated Facility for Linux (IFL)	Yes; any CP on non-z900s can be configured as an IFL. Caveats on z900.				
Application Assist Processor (zAAP)	Yes, any CP can be a zAAP			No	
Max. channels	1,024 (ESCON)			256	
Max. LPARs	60	30		15	
Max. memory	512GB	256GB	32GB		64GB
Max. OSA-Express	48		40	24	
Max. FICON	120		40	32	96