

Fujitsu Intel Xeon Gold 5217 processor 3 GHz 11 MB L3

Brand : Fujitsu **Product code:** S26361-F4082-L217

Product name: Intel Xeon Gold 5217

Intel Xeon Gold 5217, 11M Cache, 3 GHz, 115 W TDP, FCLGA3647

Fujitsu Intel Xeon Gold 5217. Processor family: Intel® Xeon® Gold, Processor socket: LGA 3647 (Socket P), Processor lithography: 14 nm. Memory channels: Hexa-channel, Maximum internal memory supported by processor: 1 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX-512, Scalability: 4S. Compatibility: PRIMERGY RX4770 M5





Processor generation Scalable Scalable Intel® Optane" Memory module Intel® Optane Memory optane Me				
Processor generation Processor model* 5217 Processor model* 5217 Processor base frequency* 3 GHz Processor family* Processor family* Processor cores* 8 (Intel® Xeon® Gold Processor cores* 8 (Intel® Hyper Threading Technology (Intel® HTT Technology) Processor series Intel Xeon Gold 5000 Series Intel Xeon Gold 5000 Series Processor threads 16 February Processor series Intel Xeon Gold 5000 Series Intel Xeon Gold 5000 Series Processor oberating modes* 64-bit Intel Trusted Execution Technology Processor oberating modes* 64-bit Intel Trusted Execution Technology Processor oberating modes* 64-bit Intel Trusted Execution Technology Processor cache Processor cache 11 MB Intel Virx with Extended Page Tables (EPT) Tables (EPT) Tables (EPT) Intel Virtualization Technology (VT- x) Int	Processor		Features	
Intel® Optane** Memory module Forcessor model* S217 included Forcessor model* S217 included Forcessor family * Intel® Xeon® Gold Intel® Xeon® Gold Intel® Hyper Threading Technology Component for Server/workstation Intel® Turbo Boost Technology 2.0 Intel® AES New Instructions (Intel® AES New Intel® AES New	Processor generation		•	×
Processor base frequency * 3 GHz Processor special features Intel® Xeon® Gold Processor family * Intel® Turbo Boost Technology (Intel® HT Trebnology)	Processor model *			✓
Processor family* Intel® Xeon® Gold Intel® Trechnology (Intel® Trechnology) Processor cores* 8 (Intel® Xeon® Gold Intel® Trechnology)				
Processor cores* 8 8 (Intel® Hyper Threading Technology or Processor cores*	• •		Processor special features	
Processor socket * LGA 3647 (Socket P) Intel® Turbo Boost Technology 2.0 Component for Intel® AES New Instructions (Intel® New Instructions (Intel® AES New Instructions (Intel® New Instructions (Intel® AES New Instructi	Processor cores *			✓
Component for Server/workstation Intel® AES New Instructions (intel® 4Foncessor lithography * 14 mm AES-NI) AES-NI) AES-NI) Processor series Intel Keon Gold 5000 Series Processor series Intel Keon Gold 5000 Series Processor threads 16 Enhanced Intel SpeedStep Technology 4Forcessor operating modes 4Forcessor operating modes 5Forcessor operating modes 64-bit Intel® Seped Shift Technology 4Forcessor cache 11 MB Intel® Speed Shift Technology 4Forcessor cache 11 MB Intel® Speed Shift Technology 4Forcessor cache 11 MB Intel® Speed Shift Technology 4Forcessor cache 4type Intel® Txx with Extended Page 7Tables (EPT) Intel® Stepting 115 W Intel® Virtualization Technology (VT- 47 ASS) Associated Associa	Processor socket *	LGA 3647 (Socket P)	, , , , , , , , , , , , , , , , , , , ,	2.0
Processor Ithography*	Component for	Server/workstation	· ·	
Processor threads 16 Technology Processor operating modes 464-bit Intel Trusted Execution Technology 4 Processor operating modes 3.7 GHz Intel® Speed Shift Technology 4 Processor cache 11 MB Intel® Speed Shift Technology 4 Processor cache 11 MB Intel® Speed Shift Extended Page Tables (EPT) Intel® Speed Shift Technology 4 Processor cache type L3 Intel TSX-NI Intel TSX-NI Intel TSX-NI Intel TSX-NI Intel TSX-NI Intel S4 Processor cache type L1 NI Intel S4 Processor cache type L1 NI Intel S4 Processor cache 11 MB Intel TSX-NI Intel S4 Processor cache 11 MB Intel TSX-NI Intel S4 Processor cache 11 MB Intel TSX-NI Intel S4 Processor cache 12 NI Intel Virtualization Technology (VT- X) NI Intel Virtualization Technology (VT- X) NI Intel Turbo Boost Max Technology (VT- X) NI Intel Turbo Boost Max Technology NI Intel Turbo Boost Max Technology NI NI Intel NI Intel® Volume Management Device (VMD) NI Intel® NI In	Processor lithography *	14 nm	,	✓
Processor breads 16 Fechnology Processor operating modes	Processor series	Intel Xeon Gold 5000 Series		1
Processor Johe Anny Memory Clock speeds Supported by processor with anny types supported by processor or Hexa-channel Memory channels * ECC Foraphics On-board graphics card * Not available Not ava	Processor threads	16	• •	
Processor cache Processor cache 11 MB Processor cache 12 MB Processor cache type 13 Intel TX-x with Extended Page Tables (EPT) Tables (EPT) Tables (EPT) Intel TSX-NI Intel 54 Intel TSX-NI Intel 64 Intel Virtualization Technology (VT- X) Bus type UPI Intel Virtualization Technology for Directed I/O (VT-d) Memory Maximum internal memory Supported by processor Memory types supported by processor Memory clock speeds supported by processor Memory clock speeds supported by processor Memory clock speeds supported by processor Memory channels * Hexa-channel ECC V Directed I/O (VT-d) Intel Turbo Boost Max Technology for priceted I/O (VT-d) Intel Turbo Boost Max Technology X AVX-512 Fused Multiply-Add (FMA) Intel® Volume Management Device (VMD) Mode-based Execute Control (MBE) V Prome Platform Eligibility V Discrete graphics card * X Intel® Volume Management Device Operational conditions Tease 79 °C Technical details Intel® Not available Not available Not available Other features Execute Disable Bit Market segment Avainum number of PCI Express AB PCI Express slots version 3	Processor operating modes *	64-bit	3,	
Tables (EPT) Tables (Intel 54-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-	Processor boost frequency	3.7 GHz	,	✓
Intel TSX-NI Internal Design Power (TDP) I15 W Intel 64 X Stepping L1 X Stepping L1 Intel Virtualization Technology (VT- X) Bus type UPI Intel Virtualization Technology for Directed I/O (VT-d) Intel Virtualization Technology for Directed I/O (VT-d) Memory Maximum internal memory Supported by processor Memory types supported by Processor Intel® Volume Management Device (VMD) Poperational conditions Tcase Tcase 79 °C Operational details Discrete graphics card * Not available Number of UPI links 2 Discrete graphics card model * Not available Number of UPI links 2 Other features Features Features Compatibility PRIMERGY RX4770 M5 Execute Disable Bit Market segment Maximum number of PCI Express Maximum number of PCI Express As PCI Express slots version 3	Processor cache			✓
Cooler included *	Processor cache type			✓
Intel Virtualization Technology (VT- x)				✓
Bus type UPI Intel Virtualization Technology for Directed I/O (VT-d) Memory Intel Turbo Boost Max Technology 3.0 Maximum internal memory supported by processor Memory types supported by processor Memory tolock speeds supported by processor Memory clock speeds supported by processor Memory types supported by processor Mode-based Execute Control (MBE) Mode-based Execute Control (MBE) / Operational conditions Tease 79 °C Technical details Intel® Run Sure Technology version / On-board graphics card model * Not available Number of UPI links 2 Other features Compatibility PRIMERGY RX4770 M5 Memory types supported by processor As a supported by processor Memory types supported by processor Intel® Volume Management Device // Operational Control (MBE) / Operational Control (MBE)			Intel Virtualization Technology (VT-	1
Processor codename Cascade Lake Directed I/O (VT-d) Intel Turbo Boost Max Technology 3.0 Maximum internal memory supported by processor Memory types supported by processor Memory clock speeds supported by processor Memory clock speeds supported by processor Memory clock speeds supported by processor Memory clock speeds supported by processor Teclnical details Intel® Run Sure Technology version Mode-based Execute Control (MBE) Tease Tecse Tecse Technical details Intel® Run Sure Technology version Mumber of UPI links Technical details Techni			x)	*
Maximum internal memory supported by processor Memory types supported by processor Memory types supported by processor Memory clock speeds supported by processor Memory channels * Hexa-channel ECC	Processor codename			✓
Supported by processor Memory types supported by processor Memory clock speeds supported by processor Mode-based Execute Control (MBE) processor Mode	Memory			×
processor Memory clock speeds supported by processor Memory channels * Hexa-channel ECC Operational conditions Tcase Technical details Discrete graphics card * On-board graphics card model * Not available Discrete graphics card model * Not available Discrete graphics card model * Not available Not available Teatures Execute Control (MBE) Intel® vPro™ Platform Eligibility ✓ Operational conditions Tcase 79 °C Technical details Intel® Run Sure Technology version ✓ On-board graphics card model * Not available Other features Compatibility PRIMERGY RX4770 M5 Execute Disable Bit Market segment Server Maximum number of PCI Express lanes PCI Express slots version 3	Maximum internal memory supported by processor	1 TB		1
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Memory channels * Hexa-channel ECC	Memory clock speeds supported by	2667 MHz	Mode-based Execute Control (MBE)	✓
Features Execute Disable Bit Market segment Maximum number of PCI Express slots version 79 °C Technical details Technical details Intel® Run Sure Technology version Number of UPI links 2 Other features Compatibility PRIMERGY RX4770 M5 Execute Disable Bit Market segment Maximum number of PCI Express Real Real Real Real Real Real Real Real	•	Hexa-channel	Intel® vPro™ Platform Eligibility	✓
On-board graphics card * X Intel® Run Sure Technology version ✓ On-board graphics card model * Not available Number of UPI links 2 Discrete graphics card model * Not available Number of UPI links 2 Other features Compatibility PRIMERGY RX4770 M5 Execute Disable Bit ✓ Compatibility PRIMERGY RX4770 M5 Exec	ECC		Operational conditions	
On-board graphics card * X Intel® Run Sure Technology version ✓ On-board graphics card model * Not available Number of UPI links 2 Discrete graphics card model * Not available Number of UPI links 2 Other features Compatibility PRIMERGY RX4770 M5 Execute Disable Bit ✓ Market segment Server Maximum number of PCI Express lanes PCI Express slots version 3	Graphics		Tcase	79 °C
Discrete graphics card * Not available Number of UPI links 2 Peatures Compatibility Maximum number of PCI Express lanes PCI Express slots version Not available Not available Not available Not available Not available Number of UPI links 2 Compatibility PRIMERGY RX4770 M5 Compatibility PRIMERGY RX4770 M5	•	×	Technical details	
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Discrete graphics card model * Not available Compatibility PRIMERGY RX4770 M5 Compatibility PRIMERGY RX4770 M5 Compatibility PRIMERGY RX4770 M5 Execute Disable Bit Market segment Server Maximum number of PCI Express lanes PCI Express slots version 3	- .		• • • • • • • • • • • • • • • • • • • •	
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Market segment Server Maximum number of PCI Express 48 PCI Express slots version 3		1	Companionity	FINIMENUT NA47/U MO
Maximum number of PCI Express 48 lanes PCI Express slots version 3				
PCI Express slots version 3	Maximum number of PCI Express lanes			
Supported instruction sets AVX-512	PCI Express slots version	3		
	Supported instruction sets	AVX-512		

Features	
Scalability	4S



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