



DELL Xeon 4214 suoritin 2,2 GHz 16,5 MB

Tuotemerkki : DELL

Tuoteperhe: Xeon

Tuotekoodi: 338-BSDR

Tuotteen nimi : 4214

DELL Xeon 4214. Suoritinperhe: Intel® Xeon Silver, Prosessorin kanta: LGA 3647 (Socket P), Prosessorin litografia: 14 nm. Muistikanavat: Hexa-kanava, Prosessorin tukema suurin sisäinen muisti: 1,02 TB, Prosessorin tukemat muistityypit: DDR4-SDRAM. Markkinasegmentti: Palvelin, Tuetut ohjepaketit: AVX-512, Skaalautuvuus: 2S. Prosessorin pakkausko: 76.0 x 56.5 mm. Yhteensopivuus: - PowerEdge R940 - PowerEdge M640 VRTX - PowerEdge R740 - PowerEdge T440 - PowerEdge R740XD -...



Prosessori		Suorittimen erityispiirteet	
Prosessorisukupolvi	Intel Xeon Scalable 2nd Gen	Intel® Trusted Execution - teknologia	✓
Prosessorimalli *	4214	Intel® Speed Shift -teknologia	✓
Prosessorin perustaajuus *	2,2 GHz	Intel® VT-x, jossa Extended Page Tables (EPT)	✓
Suoritinperhe *	Intel® Xeon Silver	Intel® TSX-NI	✓
Prosessorin ytimet *	12	Intel® 64	✓
Prosessorin kanta *	LGA 3647 (Socket P)	Intel® Virtualization Technology (VT-x)	✓
Komponentti (tuotteelle)	Palvelin/työasema	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Prosessorin litografia *	14 nm	Intel Turbo Boost Max Technology 3.0	✗
Prosessorin säikeet	24	AVX-512 sulautettu kerto- ja lisäyksyköt (FMA)	1
Prosessorin käyttötilat *	64-bittinen	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Suorittimen boost-taajuus	3,2 GHz	Intel® nopeuden valinta -teknologia - suorituskykyprofiili (Intel® SST-PP)	✗
Prosessorin välimuisti	16,5 MB	Intel® Resource Director Technology (Intel® RDT)	✓
Thermal Design Power (TDP)	85 W	Intel® äänenhallintalaite (VMD)	✓
Laatikko *	✗	Intel® Run Sure Technology	✗
Jäähdytys sisältyy *	✗	Mode-based Execute Control (MBE)	✓
Prosessorin koodinimi	Cascade Lake	Intel® Optane™ DC Persistent - muisti tuettu	✗
ARK ID -prosessori	193385	Intel® vPro™ -alustakelpoinen	✓
Muisti		Intel nopeuden valinta -teknologia (SST)	✗
Prosessorin tukema suurin sisäinen muisti	1,02 TB	Intel® nopeuden valinta -teknologia - perustaajuus (Intel® SST-BF)	✗
Prosessorin tukemat muistityypit	DDR4-SDRAM	Intel® Optane™ DC Persistent Memory -teknologia	✗
Prosessorin tukemat muistin kellonopeudet	2400 MHz	Ympäristöolosuhteet	
Muistikanavat *	Hexa-kanava	Tcase	77 °C
ECC	✓	Tekniset tiedot	
Grafiikka		Julkaisupäivämäärä	Q2'19
Sisäinen näytönohjain *	✗	Tuotetyyppi	Processor
Erillinen grafiikka-adapteri *	✗	Tila	Launched
Sisältyvän näytönohjaimen malli *	Ei saatavilla	Muistin nopeus (maks.)	2400 MHz
Erillisen näytönohjaimen malli *	Ei saatavilla	UPI-linkkien lukumäärä	2
Ominaisuudet			
Execute Disable Bit	✓		
Markkinasegmentti	Palvelin		
PCI Express -väylien enimmäismäärä	48		
PCI Express korttipaikan versio	3.0		
Tuetut ohjepaketit	AVX-512		
Skaalautuvuus	2S		

Ominaisuudet		Logistiikkatiedot	
Saatavilla olevat upotetut vaihtoehdot	✓	Harmonoidun järjestelmän nimikkeistökoodi (HS)	85423119
PCI Express CEM -versio	3.0	Paino ja mitat	
Suorittimen erityispiirteet		Prossessorin pakkauskoko	76.0 x 56.5 mm
Intel® Hyper-Threading -teknologia (Intel® HT Technology)	✓	Muut ominaisuudet	
Intel® Turbo Boost -teknologia	2.0	Yhteensopivuus - PowerEdge R940 - PowerEdge M640 VRTX - PowerEdge R740 - PowerEdge T440 - PowerEdge R740XD - PowerEdge T640 - PowerEdge M640 - PowerEdge R740xd2 - PowerEdge C4140 - PowerEdge MX740C - PowerEdge R440 - PowerEdge FC640 - PowerEdge R540 - PowerEdge R640 - PowerEdge C6420 - PowerEdge XR2	
Intel® AES New Instructions (Intel® AES-NI)	✓		
Enhanced Intel SpeedStep Technology	✓		



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