



**Hewlett Packard
Enterprise**

Opzione

OPT HPE P02580-B21 CPU INTEL XEON-S 4214 12-CORE (2.20GHZ 16

Description

Product Collection
2nd Generation Intel® Xeon® Scalable Processors
Code Name Products formerly Cascade Lake
Vertical Segment Server
Processor Number 4214
Lithography 14 nm

Performance

of Cores 12
of Threads 24
Processor Base Frequency 2.20 GHz
Max Turbo Frequency 3.20 GHz
Cache 17 MB
of UPI Links 2
TDP 85 W

Supplemental Information

Embedded Options Available Yes

Memory Specifications

Max Memory Size (dependent on memory type) 1 TB
Memory Types DDR4-2400
Maximum Memory Speed 2400 MHz
Max # of Memory Channels 6
ECC Memory Supported ‡ Yes
Intel® Optane™ DC Persistent Memory Supported No

Expansion Options

Scalability 2S
PCI Express Revision 3.0
Max # of PCI Express Lanes 48

Package Specifications

Sockets Supported FCLGA3647

TCASE 77°C

Package Size 76.0mm x 56.5mm

Advanced Technologies

Intel® Deep Learning Boost (Intel® DL Boost) Yes
Intel® Speed Select technology – Performance Profile No
Intel® Speed Select technology – Base Frequency No
Intel® Resource Director Technology (Intel® RDT) Yes
Intel® Speed Shift Technology Yes
Intel® Turbo Boost Max Technology 3.0 ‡ No
Intel® Turbo Boost Technology ‡ 2.0
Intel® vPro™ Platform Eligibility ‡ Yes
Intel® Hyper-Threading Technology ‡ Yes
Intel® Virtualization Technology (VT-x) ‡ Yes
Intel® Virtualization Technology for Directed I/O (VT-d) ‡ Yes
Intel® VT-x with Extended Page Tables (EPT) ‡ Yes
Intel® TSX-NI Yes
Intel® 64 ‡ Yes
Instruction Set Extensions Intel® AVX-512
of AVX-512 FMA Units 1
Enhanced Intel SpeedStep® Technology Yes
Intel® Volume Management Device (VMD) Yes

Security & Reliability

Intel® AES New Instructions Yes
Intel® Trusted Execution Technology ‡ Yes
Execute Disable Bit ‡ Yes
Intel® Run Sure Technology No
Mode-based Execute Control (MBE) Yes

Meta Fields

SKU : 06.6858

REGULAR PRICE : 974.83