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VAS Experts DPI technical requirements

Minimum system requirements depending on the bandwidth [Licensing is based on in and out channel parameters](#):

VAS Experts DPI-6

- CPU intel Xeon with at least 4 cores with a frequency of 2.5 GHz and more
- RAM - 16 GB
- SSD (NVMe) - 128GB x2

VAS Experts DPI-10/20

- CPU intel Xeon with at least 6 cores with a frequency of 2.5 GHz and more
- RAM - 32/48 GB
- SSD (NVMe) - 128GB x2

VAS Experts DPI-40

- CPU intel Xeon with at least 12 cores with a frequency of 2.5 GHz and more
- RAM - 64 GB
- SSD (NVMe) - 128GB x2

VAS Experts DPI-60

- CPU intel Xeon with at least 16 cores with a frequency of 2.3 GHz and more
- RAM - 128 GB
- SSD (NVMe) - 128GB x2

VAS Experts DPI-80

- CPU intel Xeon with at least 22 cores with a frequency of 2.3 GHz and more
- RAM - 128 GB
- SSD (NVMe) - 128GB x2

VAS Experts DPI-100

- CPU intel Xeon/AMD EPYC with at least 28 cores with a frequency of 2.5 GHz and more
- RAM - 160 GB
- SSD (NVMe) - 128GB x2

VAS Experts DPI-200

- CPU AMD EPYC with at least 64 cores with a frequency of 2.5 GHz and more
- RAM - 256 GB
- SSD (NVMe) - 128GB x2

The following are configuration examples:

VAS Experts DPI-6

Feature	Value
Total throughput	up to 6 Gb
Hardware platform	1U rackmount server 19"
Number of subscribers	400K
Maximum number of sessions	4M
Maximum number of new sessions per second	100K
Network interfaces	6 x 1GbE
Latency	up to 30 μ s

Technical equipment specification (typical, recommended option)

Item	Specification	Number
Platform	Dell/Futjitsu/Supermicro	1 pcs.
CPU	E5-1650v4	1 pcs.
RAM	8 GB 1866 MHz ECC Reg	2 pcs.
HDD	500 GB	2 pcs.
RAID	0,1	1 pcs.
PSU	750W	2 pcs.
NIC Bypass	Silicom PEG6BPi35 (or analog)	1 pcs.

Technical equipment specification (minimal)

Item	Specification	Number
Platform	Dell/Futjitsu/Supermicro	1 pcs.
CPU	E3-1240v2 (3.4Ghz) 4C	1 pcs.
RAM	8 GB	2 pcs.
HDD	500 GB	2 pcs.
RAID	0,1	1 pcs.
PSU	400W	2 pcs.
PCI-E	3.0 x8 (in x16) Full-height slot	1 pcs.
NIC Bypass	Silicom PEG6BPi6	1 pcs.

VAS Experts DPI-20

Feature	Value
Total throughput	up to 20 Gb
Hardware platform	1U rackmount server 19"
Number of subscribers	2M
Maximum number of sessions	16M
Maximum number of new sessions per second	250K
Network interfaces	2 x 10GbE
Latency	up to 30 μ s

Technical E5-16xx specification (typical, recommended option)

Item	Specification	Number
Platform	Dell/Futjitsu/Supermicro	1 pcs.
CPU	E5-1650v4	1 pcs.
RAM	8 GB 1866 MHz ECC Reg	4 pcs.
HDD	500 GB	2 pcs.
RAID	0,1	1 pcs.
PSU	500W	2 pcs.
NIC Bypass	Silicom PE210G2BPI9-SR (LR)	1 pcs.

Technical E5-26xx specification (recommended option)

Item	Specification	Number
Platform	Dell/Futjitsu/Supermicro with 2 slots	1 pcs.
CPU	E5-2640v4 (10 cores, 2.4GHz) recommended frequency of 2,5 GHz and more	1 pcs.
RAM	8 GB 1866 MHz ECC Reg	4 pcs.
HDD	500 GB	2 pcs.
RAID	0,1	1 pcs.
PSU	500W	2 pcs.
NIC Bypass	Silicom PE210G2BPI9-SR (LR)	1 pcs.

VAS Experts DPI-40

Technical E5-26xx specification (typical, recommended option)

Item	Specification	Number
Platform	Dell/Futjitsu/Supermicro	1 pcs.
CPU	E5-2697v2, E5-2690v4	1 pcs.
RAM	8 GB 1866 MHz ECC Reg	8 pcs.
HDD	1 TB	2 pcs.
RAID	0,1	1 pcs.
PSU	500W	2 pcs.
NIC Bypass	Silicom PE210G2BPI9-SR (LR)	2 pcs.

Attention: Since version 3.0, the requirement for a processor is to have at least 12 cores in case of

E5-2697V2. This must be taken into account when updating the software from version 2.X

VAS Experts DPI-80

Technical E5-26xx specification (recommended option)

Item	Specification	Number
Platform	Dell/Futjitsu/Supermicro	1 pcs.
CPU	E5-2699 v4	1 pcs.
RAM	16 GB 2133 MHz ECC Reg	16 pcs.
HDD	1 TB	2 pcs.
RAID	0,1	1 pcs.
PSU	500W	2 pcs.
NIC Bypass	Silicom PE310G4BPi9-SR (LR)	2 pcs.

Equipment referred as typical will be pre-ordered by us by default to reduce the delivery time. All configurations are checked on the test bed before delivery.

Note: You can order the equipment meeting certain specification on your own, so the prices from the suppliers will be lower than specified ones.

Equipment with other characteristics is supplied only by individual order. Delivery time is at least 8 weeks.