

# cognitix Threat Defender

## Hardware Requirements and Recommendations

Assets	Minimum requirements	Recommended example hardware
Up to 500	<b>CPU:</b> 1x 4 cores 64-bit CPU <b>RAM:</b> 8 GB <b>NICs:</b> 4-8x GbE with DPDK support	<b>CPU:</b> Intel Atom C3538 or Celeron N4100 <b>RAM:</b> 16 GB DDR4 non-ECC <b>NICs:</b> 1-2x Intel I350-T4 (+ on-board NIC <sup>1</sup> , if appl.)
Up to 1,000	<b>CPU:</b> 1x 8 cores 64-bit CPU <b>RAM:</b> 64 GB <b>NICs:</b> 2-4x GbE <sup>1</sup> , 2-4x 10GbE <sup>1</sup>	<b>CPU:</b> Intel Xeon W3223, AMD Epyc 7232P <b>RAM:</b> 64 GB DDR4 ECC <b>NICs:</b> 1x Intel I350-T4, 1-2x Intel X520-DA2 or X540-T2 (+ on-board NIC <sup>1</sup> , if appl.)
Up to 2,500	<b>CPU:</b> 1x 12 cores 64-bit CPU <b>RAM:</b> 128 GB <b>NICs:</b> 2-4x GbE <sup>1</sup> , 4-6x 10GbE <sup>1</sup>	<b>CPU:</b> Intel Xeon W3235, AMD Epyc 7302P <b>RAM:</b> 128 GB DDR4 ECC <b>NICs:</b> 1x Intel I350-T4, 2-4x Intel X520-DA2 or X540-T2 (+ on-board NIC <sup>1</sup> , if appl.)
Up to 5,000	<b>CPU:</b> 1x 16 cores 64-bit CPU <b>RAM:</b> 196 GB <b>NICs:</b> 2-4x GbE <sup>1</sup> , 8x 10GbE <sup>1</sup>	<b>CPU:</b> Intel Xeon W3245, 2x AMD Epyc 7302P <b>RAM:</b> 196 GB DDR4 ECC <b>NICs:</b> 1x Intel I350-T4, 3x Intel X520-DA2 or X540-T2 (+ on-board NIC <sup>1</sup> , if appl.)
Up to 20,000	<b>CPU:</b> 2x 16 cores 64-bit CPU <b>RAM:</b> 256 GB <b>NICs:</b> 2-4x GbE <sup>1</sup> , 8+x 10GbE <sup>1</sup> or 2x 40GbE <sup>1</sup>	<b>CPU:</b> 2x Intel Xeon Silver 4216, 2x AMD Epyc 7302 <b>RAM:</b> 256 GB DDR4 ECC <b>NICs:</b> 1x Intel I350-T4, X520-DA2, X540-T2, X710-T4, X710DA2, X710QDA2 (+ on-board NIC <sup>1</sup> , if appl.)

**Mass storage:** Irrespective of the number of tracked assets, cognitix Threat Defender requires an SSD with a minimum size of 256 GB.

**Note:** There are other possible hardware combinations. Please contact your account manager in this matter.

Depending on the network topology and network traffic, the minimum requirements may be insufficient for the selected number of tracked assets.

<sup>1</sup> List of network interface controllers supported by the DPDK project: <https://core.dpdk.org/supported/>