



Technology Partner



Dell and Napatech: Accelerating Appliances

Accelerate performance and time-to-market with the Napatech Acceleration Platform

- Pre-integrated hardware platform that is ideal for development of high-performance network management and security appliances
- Napatech 1G and 10G accelerators for reliable real-time analysis of networks and applications
- Dell OEM services for responsive delivery, support and customization

The volume, variety and velocity of data in IT and telecom networks is increasing at explosive rates. Staying ahead of this data growth curve is a challenge, not only for switch and router vendors, but also the vendors of appliances that assure that the networks we all rely upon are available and secure. Appliance vendors need to stay ahead of the curve in more ways than one.

Not only do they need to ensure that they are capable of continuously increasing the capacity and performance of their products, but they also need to shorten the development cycle and time-to-market. That requires focus on what is important and identifying the right partners and solutions that can help accelerate performance and time-to-market.

The Napatech Acceleration Platform

The Napatech Acceleration Platform is a pre-integrated hardware platform suitable for development of high-performance network management and security appliance products. Based on Napatech accelerators for network analysis, the Napatech Acceleration Platform enables vendors of appliances to significantly reduce time-to-market with a reliable, pre-tested and pre-integrated product that can meet the most challenging analysis requirements.

Napatech accelerators guarantee delivery of analysis data without packet loss, no matter the conditions, making Napatech the brand of choice for high-end network management and security appliance development. Nanosecond-precision time-stamping of packet data enables precise analysis of network events and performance. With the market's most comprehensive feature set provided through a single API for all accelerators, Napatech enables rapid development of high-performance analysis solutions.

The Napatech Acceleration Platform is provided by Dell OEM on the latest Dell PowerEdge servers. Dell OEM ensures fast delivery and reliable support when and where you need it. In addition, Dell OEM customization services enable your customization needs to be satisfied. This provides the best of both worlds. A reliable platform can be evaluated and tested for suitability with the option to improve the configuration to suit your product needs.



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Technical Architecture

The Napatech Acceleration Platform is currently available in two configurations:

Napatech Acceleration Platform 40G:

- Dell PowerEdge R720 with Napatech NT40E3-4-PTP 4 port 10 Gbps accelerator
- 2x Intel Xeon E5-2680v2 2.8GHz, 25M Cache, 8.0GT/s QPI, Turbo, HT, 10C, 115W, Max Mem 1866MHz
- 16GB RDIMM, 1866MT/s, Standard Volt, Dual Rank, x4 Data Width
- 500GB 7.2K RPM SATA 3Gbps 3.5in Hot-plug Hard Drive

Napatech Acceleration Platform 4G:

- Dell PowerEdge R620 with Napatech NT4E2-4-PTP 4 port 1 Gbps accelerator
- 2x Intel Xeon E5-2620v2 2.1GHz, 15M Cache, 7.2GT/s QPI, Turbo, HT, 6C, 80W, Max Mem 1600MHz
- 8GB RDIMM, 1600MT/s, Low Volt, Dual Rank, x4 Data Width
- 250GB 7.2K RPM SATA 3Gbps 2.5in Hot-plug Hard Drive

About Napatech

[Napatech](#) is the world leader in accelerating network management and security applications. As data volume and complexity grow, the performance of these applications needs to stay ahead of the speed of networks in order to do their jobs. We make this possible, for even the most demanding financial, telecom, corporate and government networks. Now and in the future, we enable our customers' applications to run faster than the networks they need to manage and protect.

The Dell Technology Partner Program

Napatech is a Dell Technology Partner and Napatech accelerators are certified by Dell to run on the Dell platforms specified in the technical architecture section.

The [Dell Technology Partner](#) program is a multi-tier program that includes ISVs, IHVs and Solution Providers. This global program helps partners build innovative and competitive business solutions using Dell platforms. Program resources keep customer costs low and help to sustain competitiveness.

The program has a structured and streamlined process that combines technology and business strategies with Dell Solution Center expertise to onboard and test partner products on Dell platforms. This testing process helps ensure that products have met the technical requirements to perform well on Dell platforms.

