

North America Gallium Nitride (GaN) Semiconductor Devices Market Analysis (2017-2023)

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Abstracts

The North America Gallium Nitride (GaN) Semiconductor Devices Market would witness market growth of 14.4% CAGR during the forecast period (2017 – 2023). Gallium Nitride-based transistors are believed to provide high thermal conduction, large electric field, and higher breakdown voltage with a wide band. The transistors are highly functional at high power density & high switch frequency and also are highly efficient when compared to silicon devices. The GaN technology would find its adoption in the healthcare sector. The hospitals are working towards using robots with Gallium Nitride components to conduct delicate surgeries. Also, scanning equipment such as sonograms, MRI, and miniaturized x-ray machines, also incorporate GaN-based semiconductor components, as they can be precisely positioned which proves to be very helpful in performing surgeries.

Based on Product Type, the market report segments the market into Opto-Semiconductors, Power Semiconductors, and GaN Radio Frequency Devices. Based on Wafer Size, the market report segments the market into 4 inch, 2 inch, 8 inch, and 6 inch. Based on Application, the Gallium Nitride (GaN) Semiconductor Devices market report segments the market into Information & Communication Technology, Consumer Electronics, Aerospace & Defense, Automotive, Industrial & Power, Healthcare, and Others

Based on Countries, the Gallium Nitride (GaN) Semiconductor Devices market segments the market into US, Mexico, Canada, and Rest of North America.

The market research report covers the competition analysis of key stake holders of the North America Gallium Nitride (GaN) Semiconductor Devices Market. Key companies profiled in the report include NextGen Power Systems, Inc., Cree, Inc. (Wolfspeed), Efficient Power Conversion Corporation, Inc., GaN Systems, Inc., Toshiba

Corporation, Fujitsu Limited, NXP Semiconductors N.V., Texas Instruments Incorporated, Infineon Technologies AG, and Qorvo, Inc.

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