

Mobile Solutions Play a Crucial Role in Optimizing Military Operations, According to VDC Research

Militaries and governments demand sophisticated mobile devices and solutions in an era of cyber and network-centric warfare.

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Military Spending by Region

Over the next five years, shipments of rugged notebooks to the defense sector will decline at a rate of about 1 percent as organizations transition to smaller form factors—tablets and smartphones—both of which will experience positive growth rates over the same period, according to a new report from VDC Research ([click here](#) for more info). These trends occur during a time when militaries in the West remain committed to reducing military expenditures by employing more efficient procurement and technology development methods. In particular, the U.S. Department of Defense has adopted a lowest price



technologically acceptable (LPTA) procurement model, which has in part spurred the use of commercial-grade devices and solutions in the military. These non-military grade solutions have largely reached a level of competency deemed appropriate by most governments throughout the world. Moreover, militaries understand now, more than ever before, the benefits of a connected military acting on data-driven insights to outmaneuver enemy combatants. The growth of sophisticated and inexpensive mobile devices and solutions fuels this network centric approach to warfare; thus, expanding the size of the market for these technologies. Moreover, security remains a crucial consideration that militaries continue to research and invest in as they attempt to protect their assets and maintain the functionality of devices.

“Of course, raw data does not lend itself well to human interpretation and for this reason, software programs that present the data in a visual and comprehensible form are invaluable,” says Matthew Hopkins, Research Associate of VDC Research. “The software at work in NETT Warrior accomplishes this mission, but even greater opportunities lie on the horizon.”

Often at the forefront of technology, militaries have long experimented with mobile solutions in the field to improve efficacy. Now mobile devices and edge computing enable every soldier to perform tasks—translation, medical care, fires, etc—previously limited to only those with the specific knowledge. Moreover, improved communications and access to real-time information allows soldiers to make the quick and accurate decisions required for operational effectiveness. Over the next few years, decision-makers will closely examine current deployments of consumer-grade devices—such as Nett Warrior—to determine how well they address the rigors of military use and hold up in inclement environments. Nevertheless, as militaries look to expand data-driven decision-making on the battlefield, mobile devices and solutions will play a prominent role.

About VDC Research

Founded in 1971, VDC Research provides in-depth insights to technology vendors, end users, and investors across the globe. As a market research and consulting firm, VDC's coverage of AutoID, enterprise mobility, industrial automation, and IoT and embedded technologies is among the most advanced in the industry, helping our clients make critical decisions with confidence. Offering syndicated reports and custom consultation, our methodologies consistently provide accurate forecasts and unmatched thought leadership for deeply technical markets. Located in Natick, Massachusetts, VDC prides itself on its close personal relationships with clients, delivering an attention to detail and a unique perspective that is second to none.