

The Power to Transform.

Microsoft Embedded Server Solutions. For Today's Industrial Revolution.

IDC predicts that there will be 30B devices connected to the Internet of Things (IoT) by 2020 and a revenue opportunity of \$1.7T for the ecosystem. These devices will transform entire industries by putting the power of information at the fingertips of business. OEMs that provide integrated solutions for collecting, curating, and analyzing data — all while keeping it secure — will be tomorrow's market leaders.

Digital Transformation's Power Duo

Microsoft's embedded server tools: SQL Server 2016 and Windows Server 2016, are built for today's industrial revolution.

 Security	 Performance	 Flexibility
Security is a top priority for your customers, and they're looking for OEMs that can deliver the highest possible levels of security. SQL Server 2016 and Windows Server 2016 take security to new levels with even more granular access control and data encryption.	Businesses want devices that not only collect data, but also allow them to access and analyze it in real time. Microsoft embedded server products optimize data storage while improving accessibility.	Your devices need to work across platforms, in the office, and in the field. Microsoft's embedded server products help you provide easy-to-use and cost-effective data storage solutions and advanced analytics with the flexibility needed to handle a wide array of applications.
SQL Server 2016 - Protect your data at rest, in motion and while in use, whether on-premises or in the cloud. - Keep encryption keys at the client level, reducing the number of people who can access sensitive data.	SQL Server 2016 - Get the performance needed for real-time analytical processing with up to 30x faster transactions. - Improve storage utilization by compressing data as much as 10X while still delivering up to 100X better analytical performance than disk-based relational databases. - Protect yourself from data loss in the event of power interruption, system failures, and restarts.	SQL Server 2016 - Stretch the same database across platforms, including on-premises and into Azure, giving your users easy access to all the data they need to make the right decisions fast. - Create a consistent user experience across cloud and on-premises platforms. - Leverage advanced analytical capabilities such as mobile BI on any device at a fraction of the cost of other vendors. - Use predictive analytics to forecast everything from customer behavior to equipment performance. - Go mobile with responsive, interactive reports optimized for your devices.
Windows Server 2016 - Helps secure access by granting time-fenced administration credentials for specific tasks. - Keep unauthorized users from extracting credentials from a machine. - Prevent unauthorized applications and devices from accessing your systems	Windows Server 2016 - Create highly available, highly scalable software-defined storage at a fraction of the cost of traditional SAN or NAS arrays. - Supports up to 6X more physical (host) memory and up to 12X more virtual machine memory than Windows Server 2012. - Supports up to 240 VPs per VM, 3.75X Windows Server 2012 R2.	Windows Server 2016 - Improve business continuity with synchronous and asynchronous replication between clusters or sites with zero loss at file level during a failure. - Easily connect devices and solutions on other platforms with open source compatibility. - Enable more connections and improve graphics experience as part of desktop virtualization. - Use IP Address Management to support many devices coming online and going offline, e.g., wristbands on cruises.

Windows Server 2016 for Embedded Systems

Edition		License Type	Features	Virtualization Rights (all cores must be licensed)
Windows Server 2016 for embedded systems offered in two editions (Standard, Datacenter) differentiated only by virtualization rights		Each license covers up to 16, 20, or 24 Cores		
Standard Low density or no virtualization	Windows Server 2016 for Embedded Systems Standard	Client Access Licenses required.	Capabilities to enable any server appliance.	Two virtual instances
Datacenter High density virtualization	Windows Server 2016 for Embedded Systems Datacenter	Client Access Licenses required	Key server capabilities plus exclusive features: Shielded Virtual Machines, software-defined networking, Storage Spaces Direct, and Storage Replica.	Unlimited virtual instances

- Windows Server is serviced and supported with a 5+5 model (5 years of mainstream support and 5 years of extended support).
- This model will continue with Windows Server 2016 for customers who choose to install full Windows Server 2016 with Desktop Experience or Server Core. (This applies to Windows Server 2016 for Embedded Systems.)

Enterprise

Mission-Critical, In-memory Performance, Security, And High Availability

Enhanced in-memory performance for all workloads

Most secure database with **Always Encrypted**

PB scale data warehousing

End-to-end mobile BI with rich visualizations on all major platforms

Advanced analytics built-in at scale with R plus in-memory

Enhanced hybrid scenarios including **Stretch Database**, HA, DR, and backup

Standard

Non-business Critical Databases With Moderate Performance

Basic security and availability

Basic reporting

Basic analytics

Hybrid scenarios: Stretch Database, backup

Basic two node failover

Note: Text in blue indicates new features for 2016



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