

Link do produktu: <https://www.cyber-sklep.pl/microsoft-sql-server-2019-standard-15-user-cals-p-410.html>

## Microsoft SQL Server 2019 Standard + 15 User Cals

|                  |                     |
|------------------|---------------------|
| Cena brutto      | <b>5 589 zł</b>     |
| Cena netto       | <b>4 544 zł</b>     |
| Cena poprzednia  | <b>7 500 zł</b>     |
| Dostępność       | <b>Dostępny</b>     |
| Czas wysyłki     | <b>24 godziny</b>   |
| Numer katalogowy | <b>X19-11471X15</b> |
| Producent        | <b>Microsoft</b>    |
| Komercyjny       | <b>Tak</b>          |

### Opis produktu

|                           |                                    |
|---------------------------|------------------------------------|
| <b>Cyfrowa ESD</b>        | <b>Licencja obejmuje 24 rdzeni</b> |
| <b>Komercyjna</b>         | <b>15 User Cals</b>                |
| <b>Nowa, bezterminowa</b> | <b>Dla domu, firm i instytucji</b> |

#### Otrzymacie Państwo:

- klucz do instalacji i aktywacji pełnej i legalnej wersji
- instrukcje instalacji i aktywacji
- Certyfikat CYBERUSŁUGI PDF

| SQL Server 2019 Edition | Database Engine (DBE) capacity limits |                              |             | Analysis Services (AS) and Reporting Services (RS) capacity limits* |                                  |                              |
|-------------------------|---------------------------------------|------------------------------|-------------|---|----------------------------------|------------------------------|
|                         | Max compute capacity                  | Max memory utilization - DBE | Max DB Size | Max compute capacity  | Max memory utilization - AS      | Max memory utilization - RS  |
| Enterprise Per Core     | OS max                                | 12 TB                        | 524 PB      | OS max  | OS max                           | OS max                       |
| Standard Per Core       | Lesser of 4 sockets or 24 cores       | 128 GB                       | 524 PB      | Lesser of 4 sockets or 24 cores                                     | 64 GB (MOLAP)<br>16 GB (Tabular) | 64 GB                        |
| Standard Server + CAL   | 24 core limit                         | 128 GB                       | 524 PB      | Lesser of 4 sockets or 24 cores                                     | 64 GB (MOLAP)<br>16 GB (Tabular) | 64 GB                        |
| Express                 | Lesser of 1 socket or 4 cores         | 1 GB                         | 10 GB       | Lesser of 1 socket or 4 cores                                       | N/A                              | 4 GB (Advanced Services Ed.) |
| Developer               | OS max                                | OS max                       | OS max      | OS max  | OS max                           | OS max                       |

| SQL Server 2019 new features                  |   | Standard | Enterprise |
|---|---|----------|------------|
| Compute and storage                           | Maximum number of cores   | 24       | OS Max     |
|   | Maximum memory utilized per instance  | 128 GB   | OS Max     |
|   | Maximum size  | 524 PB   | 524 PB     |
| Intelligence over all your data               | SQL Server 2019 Big Data Clusters with Apache Spark and HDFS built into SQL Server engine   | ×        | ×          |
|   | Data virtualization using PolyBase (including additional data sources like Oracle, Teradata, MongoDB, and other SQL Server databases) | ×        | ×          |
|   | Unified AI platform to train and operationalize models with SQL Server ML Services  | ×        | ×          |
| Choice of language and platform               | Compatibility certification   | ×        | ×          |
|   | UTF-8 support   | ×        | ×          |
|   | Support for SQL Server Java extension   | ×        | ×          |
| Industry-leading performance and availability | Free DR replicas in Azure and on-premises   | ×        | ×          |
|   | Intelligent Query processing: Scalar UDF inlining, table variable deferred compilation, approximate count distinct                    | ×        | ×          |
|   | Intelligent Query processing features: row mode memory grant feedback, batch mode for row store and automatic tuning                  |          | ×          |
|   | Automatic read-write connection re-routing  |          | ×          |
|   | In-Memory Database: memory-optimized tempdb   |          | ×          |
|   | In-Memory Database: Persistent Memory support   | ×        | ×          |
|   | Accelerated Database recovery   | ×        | ×          |
| Secure and reliable                           | Always Encrypted with secure enclaves   | ×        | ×          |
|   | Transparent database encryption   | ×        | ×          |
|   | Data classification and auditing  | ×        | ×          |
|   | Vulnerability assessment  | ×        | ×          |
| Quick business insights                       | Azure Data Studio to manage SQL Server including support for T-SQL using Notebooks  | ×        | ×          |
|   | SQL Server Analysis Services Direct Query   | ×        | ×          |

## Wymagania systemowe

Wymagania dotyczące procesora, pamięci i systemu operacyjnego

Składnik: .NET Framework 4.8

| SQL Server edition:            | Enterprise | Developer | Standard | Web | Express |
|--------------------------------|------------|-----------|----------|-----|---------|
| Windows Server 2019 Datacenter | Yes        | Yes       | Yes      | Yes | Yes     |
| Windows Server 2019 Standard   | Yes        | Yes       | Yes      | Yes | Yes     |
| Windows Server 2019 Essentials | Yes        | Yes       | Yes      | Yes | Yes     |

| SQL Server edition:            | Enterprise | Developer | Standard | Web | Express |
|--------------------------------|------------|-----------|----------|-----|---------|
| Windows Server 2016 Datacenter | Yes        | Yes       | Yes      | Yes | Yes     |
| Windows Server 2016 Standard   | Yes        | Yes       | Yes      | Yes | Yes     |
| Windows Server 2016 Essentials | Yes        | Yes       | Yes      | Yes | Yes     |
| Windows 10 IoT Enterprise      | No         | Yes       | Yes      | No  | Yes     |
| Windows 10 Enterprise          | No         | Yes       | Yes      | No  | Yes     |
| Windows 10 Professional        | No         | Yes       | Yes      | No  | Yes     |
| Windows 10 Home Component      | No         | Yes       | Yes      | No  | Yes     |

Requirement  
SQL Server requires a minimum of 6 GB of available hard-disk space.

Disk space requirements will vary with the SQL Server components you install. For more information, see [Hard Disk Space Requirements](#) later in this article. For information on supported storage types for data files, see [Storage Types for Data Files](#).

Monitor

SQL Server requires Super-VGA (800x600) or higher resolution monitor.

Internet

Internet functionality requires Internet access (fees may apply).

Memory \*

**Minimum:**

Express Editions: 512 MB

All other editions: 1 GB

**Recommended:**

Express Editions: 1 GB

All other editions: At least 4 GB and should be increased as database size increases to ensure optimal performance.

**Minimum:** x64 Processor: 1.4 GHz

Processor Speed

**Recommended:** 2.0 GHz or faster

Processor Type

x64 Processor: AMD Opteron, AMD Athlon 64, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM64T support

#### Feature

#### Disk space requirement

|  |         |
|--|---------|
| Database Engine and data files, Replication, Full-Text Search, and Data Quality Services         | 1480 MB |
| Database Engine (as above) with R Services (In-Database)   | 2744 MB |
| Database Engine (as above) with PolyBase Query Service for External Data                         | 4194 MB |
| Analysis Services and data files   | 698 MB  |
| Reporting Services   | 967 MB  |
| Microsoft R Server (Standalone)  | 280 MB  |
| Reporting Services - SharePoint  | 1203 MB |
| Reporting Services Add-in for SharePoint Products  | 325 MB  |
| Data Quality Client  | 121 MB  |
| Client Tools Connectivity  | 328 MB  |
| Integration Services   | 306 MB  |
| Client Components (other than SQL Server Books Online components and Integration Services tools) | 445 MB  |
| Master Data Services   | 280 MB  |
| SQL Server Books Online Components to view and manage help content*                              | 27 MB   |
| All Features   | 8030 MB |

Produkt posiada dodatkowe opcje:

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**Nośnik:** Bez nośnika , Pendrive, Kurier (+ 40 zł )