

## 1.5 System Environment (Hardware and Software Environments)

To use KAS-20S / KAS-20C, the following system environment and software environment are required.

### System Environment

The system environment required to use KAS-20S / KAS-20C is as follows:

**Table 1-4 System Environment**

Item	System Environment
CPU	<b>KAS-20S / KAS-20C:</b> 3.0 GHz Intel Core i5 CPU (Multi Core) or higher is required.
Hard disk	<b>KAS-20S:</b> 50 GB or more free hard disk space <b>KAS-20C:</b> 500 MB or more free hard disk space
Memory	<b>KAS-20S / KAS-20C:</b> 4 GB or more RAM
Ethernet	<b>KAS-20S / KAS-20C:</b> 1 port or more
Display	<b>KAS-20S:</b> XGA (1024 x 768) or higher <b>KAS-20C:</b> FHD (1920 x 1080) or higher
Sound card (recommended)	Optional

## Software Environment

The software environment required to use KAS-20S / KAS-20C is as follows:

**Table 1-5 Software Environment**

Item	System Environment
Operating system	<p>KAS-20S/ KAS-20C operates on the following operating systems:</p> <p><b>KAS-20S:</b></p> <ul style="list-style-type: none"> <li>• Windows 7 (32-bit or 64-bit)</li> <li>• Windows 8.1 (32-bit or 64-bit)</li> <li>• Windows 10 (32-bit or 64-bit)</li> <li>• Windows Server 2008 R2 (32-bit or 64-bit)</li> <li>• Windows Server 2012 R2 (32-bit or 64-bit)</li> </ul> <p><b>KAS-20C:</b></p> <ul style="list-style-type: none"> <li>• Windows 7 (32-bit or 64-bit)</li> <li>• Windows 8.1 (32-bit or 64-bit)</li> <li>• Windows 10 (32-bit or 64-bit)</li> </ul> <p><b>If KAS-20S and KAS-20C are used on one PC (If used standalone):</b></p> <ul style="list-style-type: none"> <li>• Windows 7 (32-bit or 64-bit)</li> <li>• Windows 8.1 (32-bit or 64-bit)</li> <li>• Windows 10 (32-bit or 64-bit)</li> </ul>
Microsoft .NET Framework	<b>KAS-20S/ KAS-20C:</b> 4.5.2 or 4.6
SQL Server	<p>To use KAS-20S, SQL Server 2014 SP2 Express or later version, or SQL Server 2014 SP2 or later version needs to be additionally installed.</p> <p>Refer to the following website to download SQL Server 2014 Express:  <a href="https://www.microsoft.com/en-us/download/">https://www.microsoft.com/en-us/download/</a></p> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• SQL Server 2014 Express and SQL Server 2014 are not supplied with KAS-20S/ KAS-20C.</li> <li>• SQL Server 2014 is the paid version. Purchase the paid version from a dealer, etc.</li> </ul>
Internet Explorer	To use KAS-20C, Internet Explorer 11 needs to be installed on the PC to be used.
Google Earth	<p>To use Google Earth, Google Earth needs to be installed separately.</p> <p>Refer to the following website for the use of Google Earth:  <a href="http://earth.google.com/">http://earth.google.com/</a></p> <p><b>Note</b></p> <p>Google Earth is not supplied with KAS-20S/ KAS-20C.</p>

**Note**

- In KAS-20S/ KAS-20C, the multi-user function of an operating system is not supported.
- For KAS-20S/ KAS-20C, the use of KAS-20S/ KAS-20C on a dedicated PC that does not operate other applications is recommended.