SattBus DDE* is a software product which enables Microsoft Windows users to access SattBus services from standard Windows applications such as Excel and Visual Basic.

The communication media can be SattBus or Ethernet. The program is available in two versions, 16-bit for Windows 3.11 and Windows 98, and 32-bit for Windows 98 and Windows NT.

SattBus DDE also supports the Fast-DDE and the SUITE-LINK (32 bits version only) protocols from Wonderware, which makes the DDE communication more efficient.

With SattBus DDE it is easy to define the variables that should be transferred and no advanced programming skills are required.

SattBus DDE works like a server which means that when you want to read a variable from a Windows application, e.g. Excel, the DDE Server will cyclically read the variable from the substation and when the variable has changed its value it will be sent to the application via DDE.

SattBus DDE offers the following key features:

- Can communicate with all systems that handle SattBus.
- Can use both SattBus and Ethernet as media.
- Supports Windows 3.11, Windows 98 and Windows NT.
- The following types of variables can be transferred: Registers, Bits, Analog Inputs and Outputs and named variables of all SattBus data types.
- Supports Wonderwares Fast-DDE and SUITE-LINK protocols.
- Optimizes the communication, variables of the same type are automatically read in one SattBus message.
- Supervises the network and shows all active nodes, which means that it can also be used as a network analyser.
- Can act as a SattBus server, allowing other SattBus substations to write to variables defined by the Windows application.

*DDE = Dynamic Data Exchange
The table below shows which operating systems and what type of media that is supported by the two versions of SattBus DDE.

<table>
<thead>
<tr>
<th></th>
<th>Windows 3.11</th>
<th>Windows 98</th>
<th>Windows NT/Intel</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 bit DDE server</td>
<td>SattBus/Ethernet</td>
<td>SattBus/Ethernet</td>
<td>Ethernet</td>
</tr>
<tr>
<td>32 bit DDE server</td>
<td></td>
<td>Ethernet</td>
<td>SattBus/Ethernet</td>
</tr>
</tbody>
</table>

**Technical Data**

<table>
<thead>
<tr>
<th>Communication channels</th>
<th>Max. number of variables to transfer</th>
<th>Update interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 SattBus channels</td>
<td>Not limited by the software</td>
<td>0–65000 ms</td>
</tr>
<tr>
<td>1 Ethernet channel</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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