

Automation DriveServer

Remote maintenance for intelligent solutions



Lenze Global Drive – Making communication easy



Lenze

DriveServer | the path to open automation

Are you looking for a simple way of getting your drives connected via different bus systems to communicate using additional automation software?

Then, why not use the OPC (OLE for Process Control) interface standard, defined by Microsoft and other leading vendors of automation components.



Lenze's DriveServer is based on this global standard and, in fact, enhances it with special drive technology functions.

The trend in automation is moving towards distributed solutions. This means that intelligent drives are carrying out an ever-increasing number of independent control tasks.



Functions

- ▶ Standardised easy access to device parameters, directly by name
- ▶ Possibility of using different fieldbus systems via the same, unmodified user interface
- ▶ Parameter set transfer
- ▶ Cam profile download
- ▶ Program download

Options available to you

- ▶ Providing the specified functions in LANs
- ▶ Easy remote diagnostics
- ▶ Drive integration in standard run-time environment (e. g. visualisation)
- ▶ Proven, cost-effective remote maintenance concept using the Simatic S7 telephone service solution



Remote maintenance | using the DriveServer

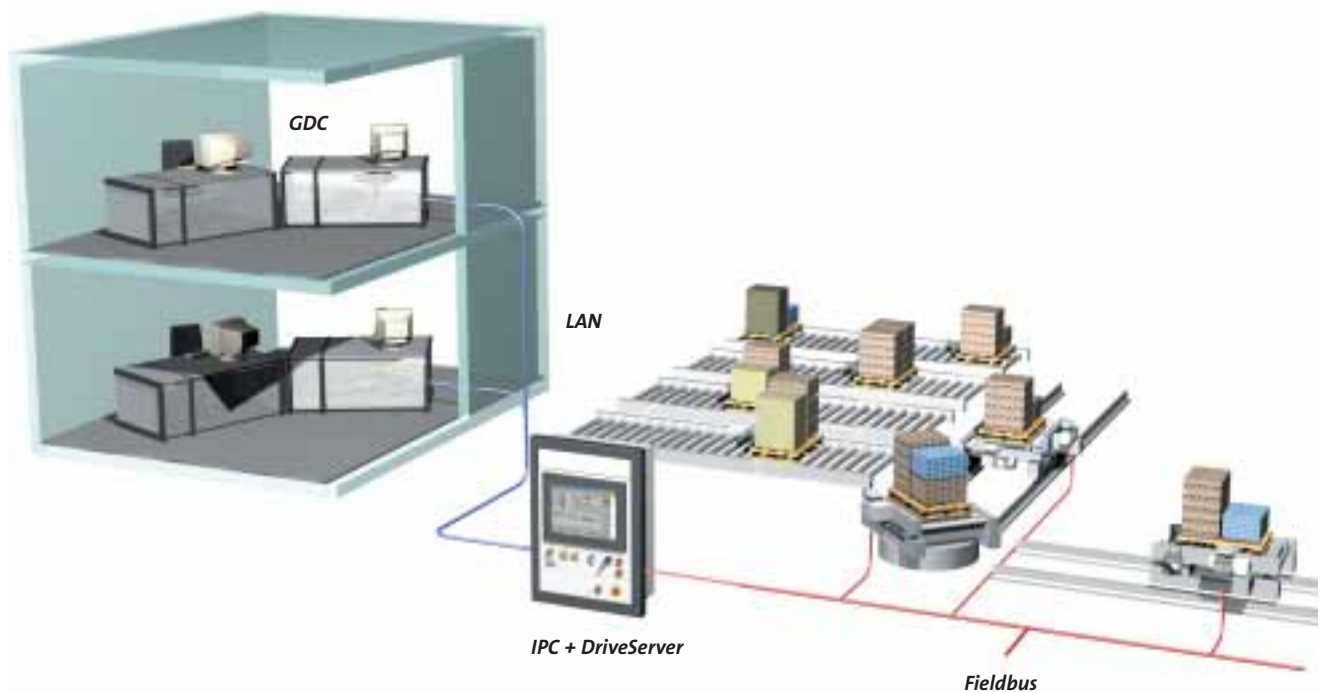
An industrial PC (IPC) is used to transfer data from the field to the office environment, therefore from fieldbus to LAN.

Users can, using any OPC-enabled software, e. g. Global Drive Control (GDC), access any Lenze drive controller via the DriveServer to visualise the system or configure it remotely.

The IPC only needs the DriveServer for remote diagnostics. Remote maintenance could therefore not be any simpler.

Benefits at a glance

- ▶ Access to all settings using any OPC-enabled visualisation software, with display in plain text as well
- ▶ Remote maintenance via LANs, as well as dial-up connections using a PC running Windows on site
- ▶ Remote maintenance via an existing system using Simatic S7 and the telephone service



“Software Bus” | communication interface

The DriveServer establishes a connection with your application software, thereby forming the basis for communication between individual tools and the hardware. Any application which supports the OPC interface can therefore access the drives' entire functionality.

The DriveServer creates a layer between the application program and the communication channel. The bus server encapsulates the fieldbus specifications and the DriveServer identifies the devices. This means that the DriveServer operates as both server and client.

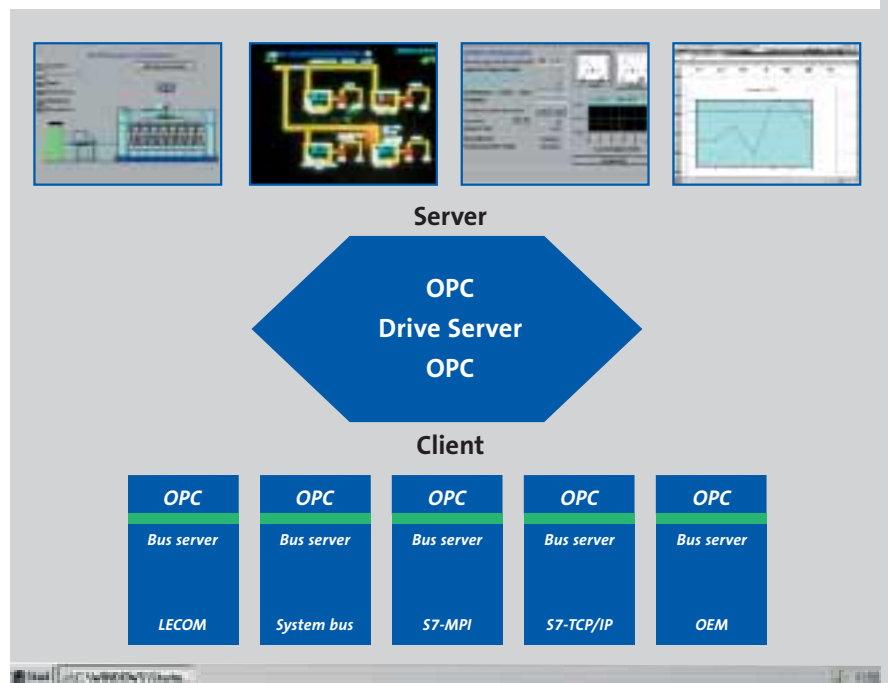
When based on PCs running Windows systems the DriveServer achieves a cross-vendor standard. Its open architecture also allows bus servers supplied by third-party vendors, such as ifak system or Softing, to be used.

DriveServer

Supports Lenze LECOM-A/B interfaces and CAN-based Lenze system buses with two different system bus adapters (USB and parallel port).

DriveServer S7

Apart from establishing a direct controller connection with LECOM-A/B or the Lenze system bus, it is also possible to communicate with the controllers via MPI or Ethernet using Simatic S7. Siemens' special Prodrive software is not required for this.

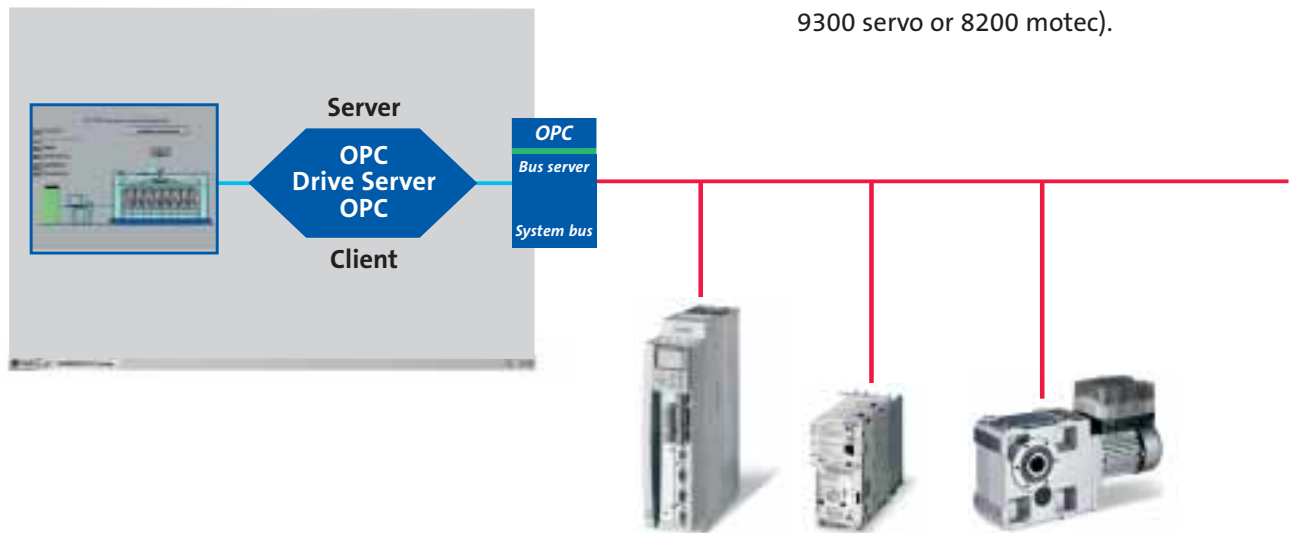


Network solutions | and remote maintenance

The DriveServer supports a number of different network topologies. A brief description of some of the standard ones appears below.

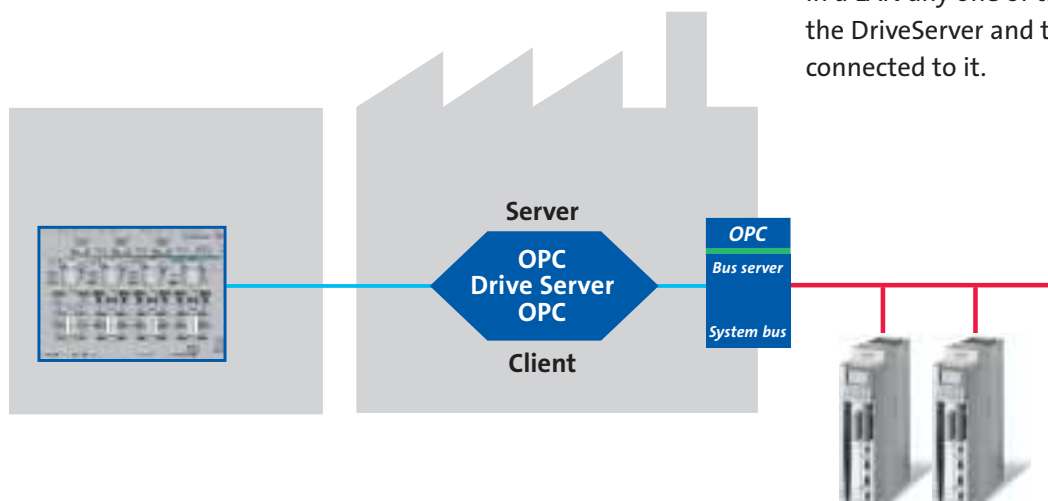
Topology 1: Standalone workstation

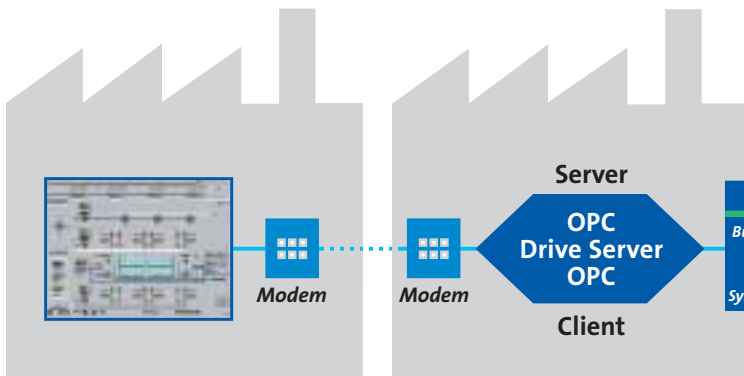
In the simplest case, the fieldbus link and operating programs are located on the same PC. This means that access is provided to Lenze drive controllers, whatever the model (8200 vector, 9300 servo or 8200 motec).



Topology 2: Local area network (LAN)

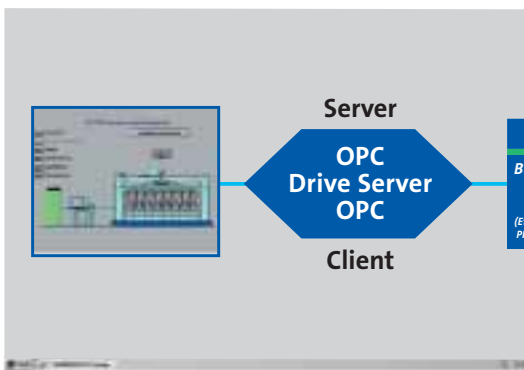
In a LAN any one of the PCs can access the DriveServer and therefore, the drives connected to it.





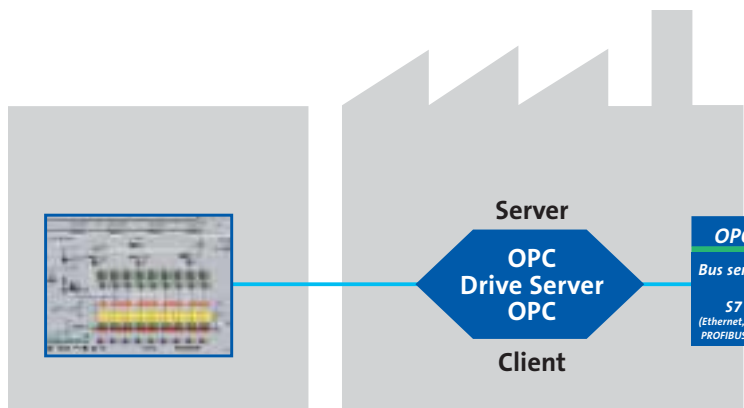
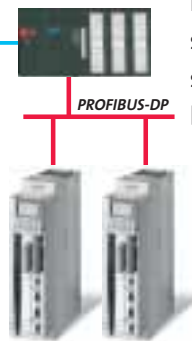
Topology 3: LANs with a dial-up connection

Network communication is also possible if the LAN has a modem or ISDN link (Remote Access Service).



Topology 4: Punch-through with Simatic S7

You can configure your Lenze drives via PROFIBUS using the Siemens S7 control system. Using the new DriveServer S7 software means that there is no need to buy Siemens' Prodrive software.



Topology 5: Using the telephone service

Existing remote maintenance concepts, such as the S7 telephone service, can be upgraded with the DriveServer at an affordable price. This means that remote maintenance can be provided for Lenze drive controllers.



Service | you can trust

For us, service is more than just supporting the use of our drives. The Lenze system approach begins with your enquiry. Next you get technical information and advice from a network of sales outlets staffed by knowledgeable engineers. If you want, we follow up with training, commissioning, maintenance and repair. Our service is always at your disposal.

With passion

The Lenze team does not just offer the necessary manpower and technical know-how – we are passionate and meticulous about what we do. We will only be happy once you are entirely satisfied with our work. Our team of professionals provides assistance over the telephone or on site, ensures the express delivery of spare parts and carries out repairs with incredible urgency. We're fast and reliable.

Someone to talk to

Expert advice is available for all your technical queries via our helpline. In cases of urgent need, call 008000 24 hours (008000 24 46877), Lenze's worldwide expert helpline – 24 hours a day, 365 days a year. For more direct assistance, you can of course contact your local Lenze service support centre. We can tell you where it is – or you can find out for yourself by visiting us on the Internet at www.Lenze.com.

Around the world

Our products are available for speedy delivery worldwide. Lenze companies, Lenze factories and sales agencies are based in major industrial countries around the world. Contact them through our website www.Lenze.com, which also gives you 24-hour access to technical instructions and product manuals. Local support, on site if you need it, is available.

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