

COROS LS-C ME

COROS Now Available for Windows 2000/XP

Time to scrap a proven system?

Years ago you invested in hardware and engineering for the implementation of a multi-user COROS LS-C operator control and monitoring system supplied by Siemens. Specially designed for highly integrated and efficient interaction with the Siemens S5 and SICOMP MMC automation world (Figure 1), COROS LS-C has been living up to its reputation for speed and unquestionable reliability for nearly two decades.

Time goes on, however, and even industrial applications are no longer able to avoid the universal Windows environment and its advantage of open data communication and flexible networking capabilities. Not to mention the fact that spare parts and service for the COROS LS-C system are no longer available. It therefore becomes difficult - if not impossible - to keep your operator control and monitoring system up to date!

Costly new investment decisions?

Is the answer getting rid of your old COROS LS-C today and investing in the development of an entirely new visualization platform? Start again from scratch to build up new expertise and pay once again for training to introduce a new operating concept to your personnel? No, this doesn't have to be your decision scenario with our COROS LS-C ME solution!

COROS LS-C ME keeps your old system going

COROS LS-C ME migrates your complete COROS project - including all configuration data - into the open Windows 2000/XP platform. So, now you can run your familiar COROS-LS-C installation on a Windows server or Windows workstation (Figure 2).

You're able to keep your well proven well-proven operating concept and continue to benefit from the direct integration of the operator control and monitoring function in the automation world. Because the Windows version of COROS LS-C also inherits full connectivity with Siemens MMC 216 systems - exactly like its predecessor.

So forget about an abrupt and expensive switch to a new SCADA platform. With COROS LS-C ME, you save on high development costs, downtimes due to commissioning and test, and time spent on ironing out new, unstable operating sequences that come with the implementation of a new system.

Additional benefits: Your COROS-LS-C ME data is open to visualization by the WinCC SCADA system, is available for external processing in Microsoft Excel and to OPC interfacing.

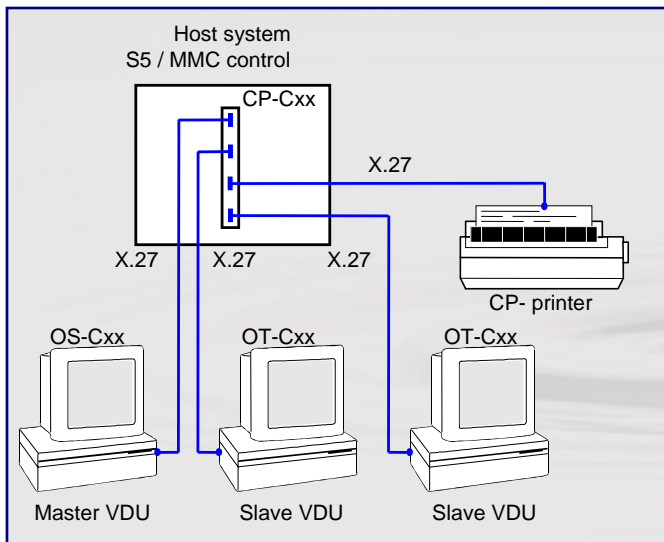


Figure 1: COROS LS-C configuration example

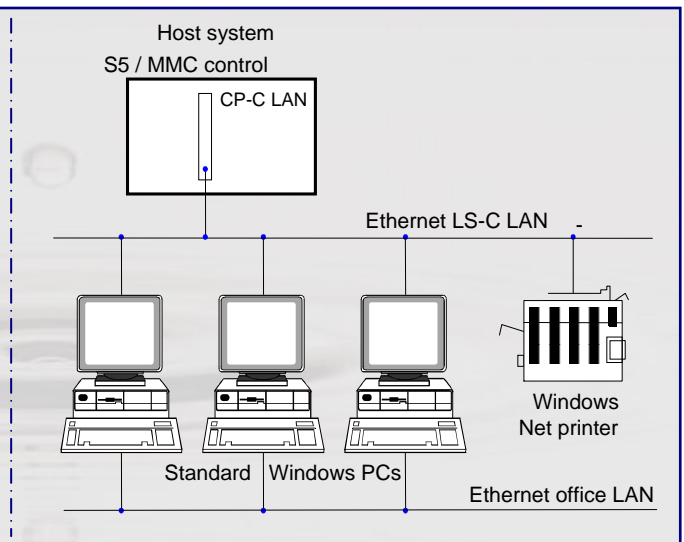


Figure 2: COROS LS-C ME configuration example

And what are the strategic benefits?

When I migrate my COROS LS-C operator control and monitoring system to Windows, will I be able...

		YES	NO
...to make use of latest PC hardware components?	Reduced maintenance costs, non-proprietary platform!	<input checked="" type="checkbox"/>	<input type="checkbox"/>
...to keep on using my existing COROS LS-C applications?	No need for new development or changing to a new system!	<input checked="" type="checkbox"/>	<input type="checkbox"/>
...to benefit from latest developments in the PC world?	Network integration, open data exchange.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
...to achieve a higher degree of fault-tolerance?	Server with high availability/High available server, RAID, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

With COROS LS-C ME, you step up the performance of your COROS LS-C operator control and monitoring system and keep it in step with the future. And you can rest assured that none of your former investment in engineering work and accumulation of system know-how will have been wasted.

COROS LS-C ME

Technical Highlights

The concept

In COROS LS-C ME the entire system code, which establishes the connection between the user interface and the operating system level, is ported to the Windows 2000/XP environment (Figure 3). In this way, and invisible to the user, the operating system and hardware base of the COROS-LS-C system is converted to Windows. Functions formerly processed by the CP-C10/C30 communications processor in the PLC have now been transferred to the Windows computer (Figure 4). This further enhances the performance of your operator control and monitoring system. The project files ported to the Windows system are fully compatible with the former RMX versions with regard to file name and contents. The CP-ME communications processor installed in the SIMATIC S5 or MMC racks handles the communication with the control system. The CP-ME processor can communicate with up to four VDUs over a LAN connection. A VDU is now represented by a normal Windows application on the COROS-LS-C ME computer.

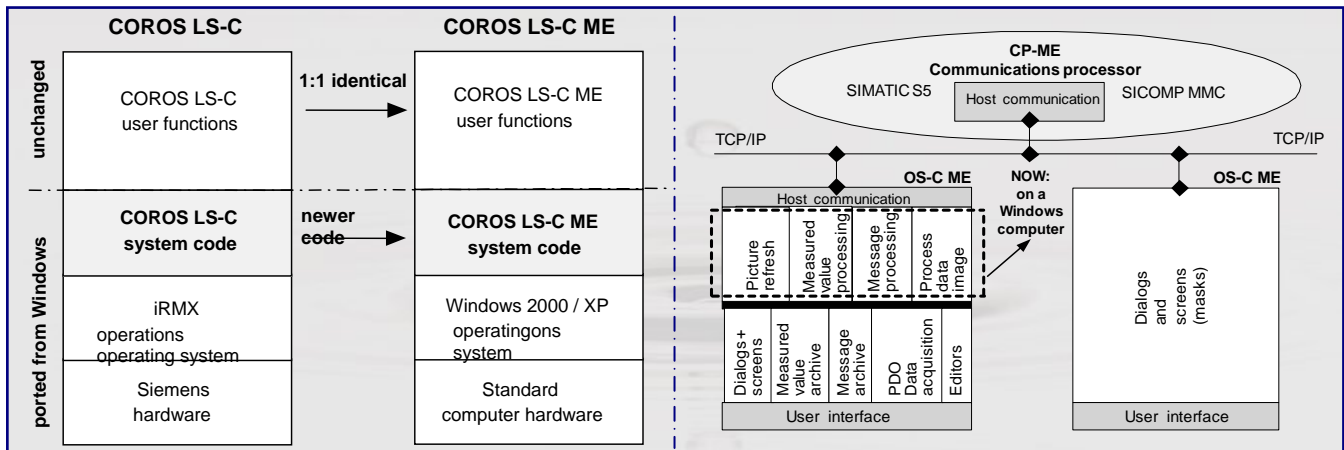


Figure 3: Code ported to the Windows platform

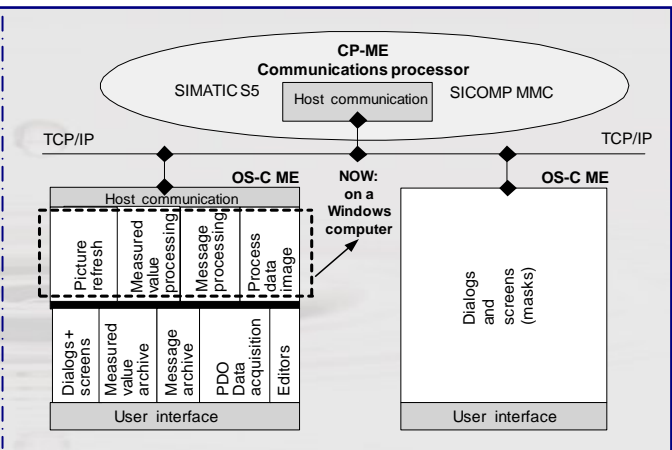


Figure 4: COROS LS-C ME software architecture

COROS LS-C OS-C10 / OS-C30

- VDU hardware: Siemens graphics and communication hardware / 486 PC with 2 specific cards for graphics and communication
- Copy protection: Not required for proprietary hardware
- Operating system: iRMX 86 / iRMX 286
- File system: RMX file system
- Communication with S5 / MMC control system: CP-Cxx serial via X27 to 4 VDU operating terminals max.
- Printer: Serial to CP and parallel to VDU
- Industrial keyboard: Serial via X27
- Integration in existing networks: Not possible

Available system expansion for COROS LS-C ME

AC-SeMa ES: Add-on tool

- No-operator web-based alarm management, to be called up by a WEB browser (e.g. Internet Explorer)
- Alarm acquisition via SNMP, EventLog, log book
- Message output via telephone, GSM, SMS, E-mail, Intranet/Internet and chronological alarm reports

Windows version COROS LS-C ME

- VDU Hardware: Standard computer (office PC, 19" housing industrial PC, notebook for service and remote operation)
- Copy protection: Dongle
- Operating system: Windows 2000 / Windows XP
- File system: Windows file system
- Communication with S5 / MMC control system: CP-ME via LAN to 4 VDU operating terminals max.
- Printer: Windows standard network or local
- Industrial keyboard: Serial via X27/V24 converter; Web emulation with webPLT (see below)
- Integration in existing networks: Ethernet LAN

Web-based process control keyboard with webPLT

- Emulation of existing older process control keyboards on standard hw and sw (Windows 2000/XP)
- 200 freely assignable keys which can be displayed in a WEB browser (e.g., Internet Explorer)
- Operation with touch panel PC, Windows PC via Intranet / Internet

How do I convert from COROS LS-C to COROS LS-C ME?

After you have installed the COROS LS-C ME software, inserted the CP-ME card in your S5/MMC system, and set the IP address, you then transfer your project files. First transfer them from RMX to MSDOS using the RMXDISK utility, and then transfer them to the Windows computer using a diskette or a LAN connection. Your new COROS system is now ready to run in the on-line process mode.

For further information, please contact our branch in Erlangen. Our Technical Support team is eager to answer your questions and help you with the conversion and commissioning of your new COROS system. If you wish, we can do the complete conversion for you ensuring compatibility. Please don't hesitate to contact us if you have any queries.