

# WarmComm 4

COMMUNICATION SOFTWARE  
FOR LABORATORY DRYING  
OVENS AND INCUBATORS



MMM Group

The latest generation of software tool – easier to use,  
elegant and more powerful



## Your benefits

Online support on <http://wc4.bmt.cz>

- Updated WarmComm versions
- Updated WarmComm manuals
- Updated language localization
- Reporting of technical problems – on-line solution
- One registration for all user's installations
- On-line unlocking of administrator access in case of lost password
- On-line or off-line support
- Highest secure on-line communication by coded data saved on the producer's server
- Complete free support for current or future WarmComm installations

protecting human health

[www.mmm-medcenter.de](http://www.mmm-medcenter.de)

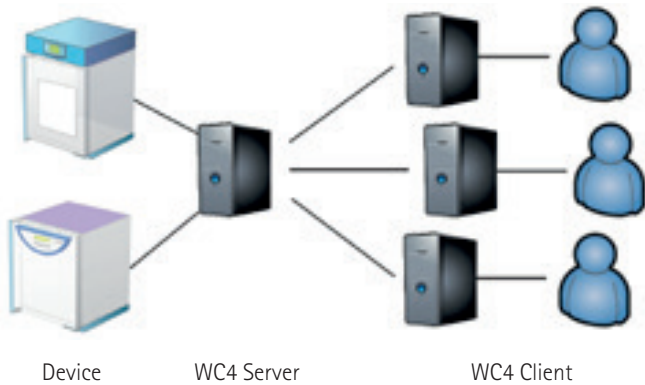


WarmComm 4 – Universal Data Administration with the MMM/BMT devices

WarmComm 4 is now using the latest technology of Client-Server architecture. The Server runs silently in the background and it communicates with all your devices connected to the computer. As soon as the computer starts the Server begins collecting the data. You don't have to worry about starting a measurement, everything is stored and you never lose any information. The Client program can be used to view the data and control the connected devices. You can access Server installed on the same computer or on a remote computer connected through a network or even internet.

Advantages of Client-Server Architecture

- You do not have to worry about connecting to devices. It is done automatically when the connected computer is turned on.
- All data are safely stored in one place.
- It is easier to protect the access to devices and data and to make backups.
- You can view measured data and control your devices remotely.



Local Installation

Of course, it is also possible to install the complete WarmComm on a local computer only, so you can work in a simple environment if the Client-Server features are not needed.

The Server

The Server runs in background and is automatically started after the computer is turned on. The Server scans all possible ways how any MMM/BMT device can be connected. When a device is discovered and identified a new data store is created and the device is remembered. If the device is disconnected from the Server you will still have access to the collected data, but the device will be shown as off-line and you will not be able to control the device. The Server can be accessed from the same PC where it is installed or remotely through network. To control the places from which is the Server available, consult you network specialist.

The Client

Through this program you can display measured data in real time or stored on a Server, check what state has the device and control the device. The user interface is inspired by a modern web browsers.

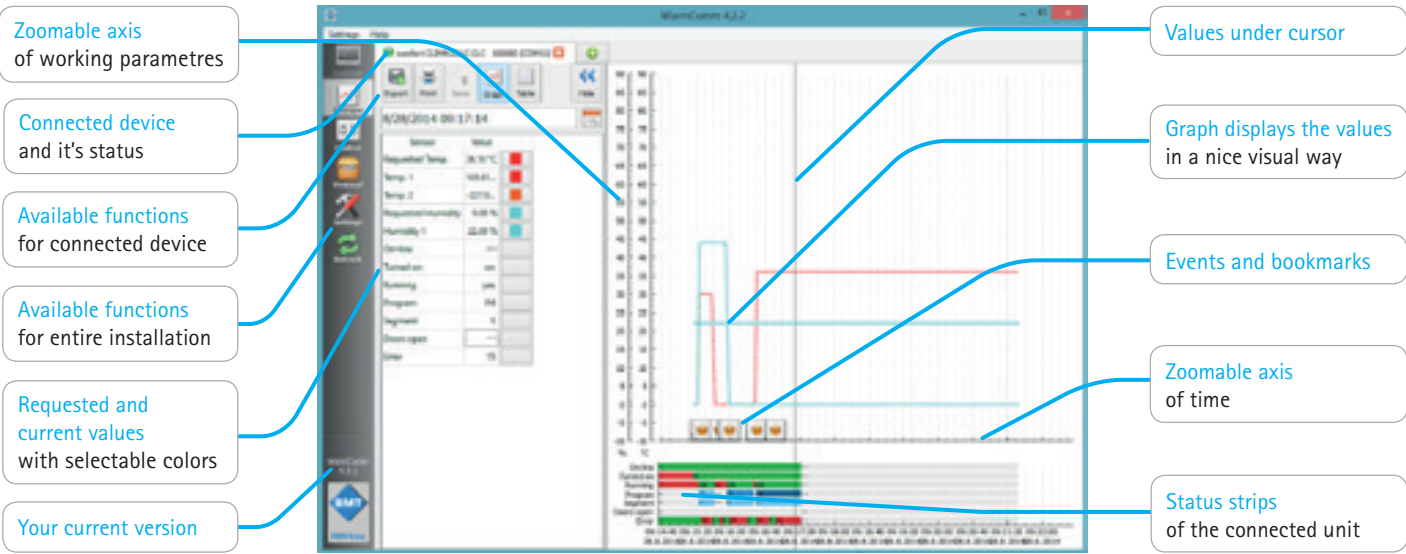
Connection Status

	No connection to a Server.
	Connection to the Server is established.
	You are connected to an off-line device. You can view stored data but you cannot control the device.
	You are connected to an on-line device.

THE THREE VERSIONS

Basic (B)	Professional (P)	FDA (F) – CFR 21 Part 11 compliant
Graphs and charts with export	Graphs and charts with export	Graphs and charts with export
No control of the device	Control and programming	Control and programming, keypad locked
No user accounts	Users stored on a Server	Users stored on a Server and in a device
No policies	No policies	Policies of authorization

Graphs (all versions – B, P and F)



Programming (versions P and F)



## WHAT CAN YOU CONNECT?

We have prepared this software tool to let you connect all the units from MMM/BMT line of heat technology including the old generations. Thanks to that you may connect not only the latest Standard, Comfort and EVO units, but you may even connect all the units from the previous Blue line and Pink line! Amount of the units connected to WarmComm 4 software is not limited, so it is limited only by the customer's network and communication ports settings.



## OTHER FEATURES

- Automatic online update.
- User made bookmarks in the graphs and charts.
- Stable platform of the SQL library.
- Unlimited amount of connected units.
- Online support on <http://support.bmt.cz>.
- Protected licence policy.
- E-mail notification Client.
- IQ/OQ available.
- Service module for local and remote diagnostics.

## Printer Archive

Simple software solution for data logging, archiving and printing of the measured data.

Printer Archive prepares printable protocols in PC just like the external thermal printer.



## DLLComm

Do you need to implement our Standard or Comfort units into your LIMS systems? Then we have a perfect tool for you!

DLLComm is the special set of dynamic linked libraries that allows skilled C++ programmer to monitor and control our devices through a company's own LIMS system.

For more information please check our dedicated DLLComm leaflet.

**DLLComm**  
Dynamic linked library

**What is DLLComm?**  
Instrument for connecting of user's data logging software with control system of ovens and incubators (except CO2CELL) allowing to continuously control and receive data from the MMM chamber.

**How does it work?**  
1) Purchase the DLLComm software packet (order code MC 001980)  
2) Install the software according to user's software environment  
3) Define data connection between a user's data logging software and MMM device in source code (C++ skills needed).

**Main features**

- Easy instrument for controlling and receiving data within C++ environment.
- Possibility of creating an interface between your information system and connected devices from our production.
- Possibility to control the device, including programs settings, starting, stopping, recording, etc.
- Recorded data can be easily integrated into your IT systems and it is up to your consideration, how else to use the data.
- You can manage the users policies and other advanced settings, too.
- Comprehensive user manual.

DLLComm is currently available for Windows only. If you want to use it on different operating system, please write a request to us.

protecting human health  
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## HARDWARE REQUIREMENTS

- Windows XP (Service Pack 3) or newer
- 1.5GHz processor
- 2GB RAM memory
- 2GB of free hard disc space (depends on the amount of connected units and length of the recordings)
- 1 COM port for each connected unit (it is possible to use the virtual COM port, too).