



imc REMOTE provides platform-independent remote access to imc measurement systems. This extension enables the imc system on which it is activated and running to be accessed by a terminal device/computer via a network connection, without the terminal device needing either to have imc STUDIO installed or to meet the usual requirements regarding its operating system. For communication with the imc system via its web-server, all that is required is a standard Internet browser which may run on any desired terminal device platform (e.g. MS Windows, Linux, iOS, Android etc.), so that hand-held mobile Internet-capable devices such as Tablet PCs, smart phones etc. can be used.

imc REMOTE WebServer is designed for remotely accessing measurement systems via Internet and in particular across the network's Firewall boundaries, because it communicates by means of secure https protocols.

Important properties and applications:

- Communication by means of html web pages
- Display of system variables (Display variables, pv-variables, virtual bits)
- Intervention in the device status/measurement process and interaction with the measurement parameters by setting (writing) Display variables, digital outputs, virtual bits and network bits (Ethernet bits)
- Altering of the system configuration by selection among Auto- and Diskstart experiments pre-loaded to the measurement device
- Downloading of measured data (files)

License Management and Activation

- **imc REMOTE** includes two components **imc REMOTE WebServer** and **imc REMOTE LinkSecure**. imc REMOTE is a system extension permanently installed in a measurement device, which must be enabled with a serial number activation code. Users with multiple systems must obtain a separate activation code for each system.
- **imc REMOTE WebDesigner**, to create or change panels of websites that are provided via the **imc REMOTE Webserver** with a **imc measurement device**. imc REMOTE WebDesigner will be activated on your PC with an activation code.

Order Code	Article number	Remarks - activation for one device
CRC/imc-REMOTE	11700200	imc CRONOScompact
CRFX/imc-REMOTE	11900123	imc CRONOSflex
CRSL/imc-REMOTE	11800114	imc CRONOS-SL-N
CRXT/imc-REMOTE	11100014	imc CRONOS-XT
BUSFX/imc-REMOTE	12400024	imc BUSDAQflex
SPAR/imc-REMOTE	11300128	imc SPARTAN-N
C/imc-REMOTE	14000083	imc C-SERIES-FD, imc C-SERIES-N, imc C1-N, imc C1-FD

Order Code	Article number	Remarks - activation per PC
imc REMOTE WebDesigner	10100159	

System requirements

Internetbrowser	Device software
<ul style="list-style-type: none"> • Firefox Version 16 • Internet-Explorer Version 9 • Google Chrome 26.0 • Opera 12.02 • Safari 5.1.7 	<ul style="list-style-type: none"> • Firmware (imc DEVICES) Version 2.9R2 and higher • imc STUDIO Version 5.0 and higher • Option imc REMOTE with imc REMOTE WebServer (including LinkSecure)=3 (one license per device required)

Measurement devices for imc REMOTE WebServer	Measurement devices for imc REMOTE WebDesigner
The following devices are supported: <ul style="list-style-type: none"> • imc CRONOScompact • imc CRONOSflex • imc CRONOS-SL-N • imc CRONOS-XT • imc BUSDAQflex • imc SPARTAN-N • imc C-SERIES-N, imc C-SERIES-FD • imc C1-N, imc C1-FD 	Devices from group 7 on are supported: <ul style="list-style-type: none"> • imc CRONOScompact • imc CRONOSflex • imc CRONOS-XT

Basic functions

User Role	Description
Monitor (no password)	<ul style="list-style-type: none"> • Observation of the system and measurement status • Querying of the device firmware-version (imc DEVICES) and the imc REMOTE WebServer version • Querying of system time and date • Downloading of measured data (files stored on onboard storage media) and the system experiment (configuration) • The Monitor role is read-only, i.e. interaction with the measurement (e.g. virtual bits or display variables) or changing of the running experiment (configuration) is prohibited. • It is not possible to change the selection for the current experiment. No intervention in the measurement state (start / stop) allowed.
Operator (password optional)	<p>The Operator mode comes with the following functionality beyond that of Monitor:</p> <ul style="list-style-type: none"> • Changing of the current configuration of the system/measurement, by selection and start of Diskstart-experiments • Changing of Auto-Start and Diskstart-configurations (experiments) by replacing experiments (upload/overwrite) • Starting/stopping the measurement (if the device is not connected and controlled by the user operation software imc STUDIO). • Ability to interact with a running measurement. For example, you can remotely intervene in a test by triggering a measurement, or to modify a calculation in imc Online FAMOS through a display variable, virtual bits, Ethernet bits, digital outputs and analog outputs.
Designer (password protected*)	<ul style="list-style-type: none"> • Configuration of which areas are accessible to the Operator role. • Creating and editing Panel pages • Display widgets: curve diagram, bar meter, pointer instrument, LED • I/O widgets: buttons, toggles, numerical input/output • Elements for graphical design: lines, circle, ellipse, etc. • License for imc REMOTE WebDesigner required <p>* The password is distributed by purchasing the "imc REMOTE WebDesigner" option.</p>
Properties	Description
Input/output	<ul style="list-style-type: none"> • Reading of input channel's process vector variables • Reading/writing of virtual bits, e.g. for use with the trigger machine • Reading/writing of Display variables • Reading of digital inputs • Writing of digital and analog outputs • Reading of the GPS interface's process vector variables
Languages	German, English (dynamically selectable)
Communication	<ul style="list-style-type: none"> • Protocol: secure https protocol • Uploading of customer-specific certificates • Multi-Client operation: simultaneous access of multiple independent clients (browsers) on one system (WebServer) • Log-In password
Documentation	Refer to imc STUDIO documentation

If you have problems or questions, please contact our Customer Support/Hotline:

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International partners

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