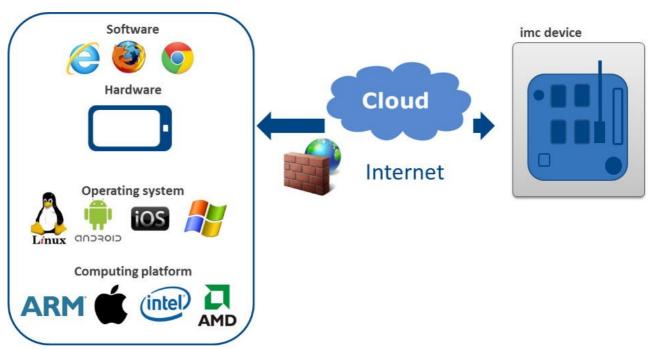


imc REMOTE



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 CRONOS <i>flex</i>
CRSL/imc-REMOTE	11800114	imc CRONOS-SL-N
CRXT/imc-REMOTE	11100014	imc CRONOS-XT
BUSFX/imc-REMOTE	12400024	imc BUSDAQ <i>flex</i>
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	
• Firefox Version 16	Firmware (imc DEVICES) Version 2.9R2 and higher	
• Internet-Explorer Version 9	 imc STUDIO Version 5.0 and higher 	
Google Chrome 26.0	 Option imc REMOTE with imc REMOTE WebServer (including LinkSecure)=3 (one license per device 	
• Opera 12.02		
Safari 5.1.7	required)	
Measurement devices for imc REMOTE WebServer	Measurement devices for imc REMOTE WebDesigner	
The following devices are supported:	Devices from group 7 on are supported:	
• imc CRONOScompact	• imc CRONOScompact	
• imc CRONOS <i>flex</i>	• imc CRONOS <i>flex</i>	
• imc CRONOS-SL-N	• imc CRONOS-XT	
• imc CRONOS-XT		
• imc BUSDAQ <i>flex</i>		
• imc SPARTAN-N		
• imc C-SERIES-N, imc C-SERIES-FD		
• imc C1-N, imc C1-FD		



Basic functions

User Role	Description	
Monitor	Observation of the system and measurement status	
(no password)	 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	The Operator mode comes with the following functionality beyond that of Monitor:	
(password optional)	 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	 Configuration of which areas are accessible to the Operator role. 	
(password protected*)	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	
	* The password is distributed by purchasing the "imc REMOTE WebDesigner" option.	
Properties	Description	
Input/output	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	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	

imc REMOTE 5.4

Technical Data Sheet



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

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E-Mail: hotline@imc-tm.de

Internet: https://www.imc-tm.com

International partners

For our international partners see https://www.imc-tm.com/distributors/.