imc LINK

Remote device access, system monitoring and automatic transfer of the measured data

imc LINK enables the automated transfer and analysis of data files from an imc data acquisition system (or systems) to a computer. Remote systems may also be monitored in real time through imc LINK, including the live display of GPS based position on the computer that runs imc LINK.

By enhancing the networking ability inherent to all imc data acquisition systems, imc LINK is especially useful in environments where the network connection might be unreliable or available only occasionally. And even with reliable network connectivity, imc LINK assists with the collection, processing, and storage of data coming from many different concurrent data acquisition sources, such as test stands or fleet vehicle testing.

Through the automatic transfer of data from an imc system's local storage to a data management computer, imc LINK users have the data security of storage local to the acquisition, plus the convenience of fast and reliable data access local to the user.

Functions

- **Automatic transfer** of folders and files from the measurement device to a computer
- **Transfer** of folders and files at a fixed **time interval** or following change of an **event**-variable
- **Optional deletion** of folders and files from the measurement device once transferred successfully
- **Any TCP/IP network connection supported**, including both wired and wireless networks - LAN, WLAN/WiFi, via appropriate routers: LTE, 5G, etc.
- **Initiation of data transfer** based on both availability of the network connection and the configured onboard storage interval
- **Automatic PC based post processing of data** once data files are transferred. Such post processing may include data analysis by imc FAMOS sequences, file compression (e.g. *.zip), the launch of a 3rd party executable program, and transfer from the computer running imc LINK to a secondary file server
- **Live status monitoring including GPS position of the measurement system**. The imc UDP Status Monitoring mechanism can be used to see the current device status as well as current measurement or virtual channel values (based on "Display Variables" and "Virtual and Ethernet Bits" of an imc system). Additionally, GPS position information may be displayed in an imc curve window (e.g. overlaid on a map graphic), or exported to a KML file (for external viewing, e.g. Google Earth)
- **Download and remote** system restart with a new system configuration
- **ftp-protocol**; supported by all imc measurement devices belonging to groups A2-A7
- **secure https-protocol**; can be used as an alternative to the ftp-protocol. Supported by all imc measurement devices belonging to groups A5-A7. Besides the imc LINK license, this feature requires an additional device based license "imc REMOTE". This license comprises "imc REMOTE LinkSecure" and also "imc REMOTE WebServer" and "imc REMOTE SecureAccess".
- **Language Selector:** choose from German, English (U.S.) and Chinese

System requirements

Supported operating systems
Windows 10*/11**
Windows 8 / 8.1
Windows 7

*released in conformance with the version of Windows 10 applicable at build date of imc software

**verified with Windows 11 22H2

Minimum requirements for the PC
1 GB RAM

Compatibility

- as of imc STUDIO 3.0 R4 (July 7, 2011)
- as of imc STUDIO 4.0 for the use of https-protocols with security standard TLS version 1.0
- as of imc STUDIO 5.2 R17 for the use of https-protocols with security standard TLS version 1.2
- as of imc FAMOS 6.1 Professional, Enterprise or Runtime (optional)

Licensing

- The licensing has to be done with the imc LICENSE Manager. A license activation is necessary to use imc LINK. imc LINK is configured to work with one PC and one imc measurement system, additional user and/or device licenses may be purchased by special order (imc LINK-1). The imc LINK license covers both the installation on a dedicated PC plus operation with a defined number of devices. This device related portion of the license is not linked to specific devices but just limits the number of arbitrary devices that can be operated simultaneously.
- The use of the secure https-protocol, in addition to the imc LINK license (both PC installation and device count), requires an additional device license "imc REMOTE". This license (unlike the imc LINK device count license) is directly linked and limited to a specific device. It covers imc REMOTE LinkSecure and the extra functionality imc REMOTE SecureAccess and imc REMOTE WebServer.

Order Code

Order Code	Article number	Remarks
imc LINK-SW+1	10100116	Software including one device license "imc LINK-1"
imc LINK	10100108	Software imc LINK: It requires a device license for at least one device
imc LINK-1	10100109	imc LINK device license
imc REMOTE		imc REMOTE device license
	11700200	imc CRONOS*compact*
	11900123	imc CRONOS*flex*
	14000083	imc C-SERIE-FD
	11300128	imc SPARTAN-x-N
	10100159	Freischaltung pro PC

Options and enhancements

- imc FAMOS Professional, Enterprise or Runtime for post-retrieval automated analysis

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

imc Test & Measurement GmbH

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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/imc-worldwide/.