

CLIMATIX™

CLIMATIX IC20

Web based remote servicing system for OEMs

- Remote operation and monitoring of Climatix controllers from anywhere at anytime
- Automatic connectivity for Climatix 6xx OEM controllers
- Web-based system, no software installation required
- Remote upgrade of Climatix controllers
- Back-up and restore commissioning settings
- Data history trending and alarm email notification
- Easy set up of calendar and scheduler settings
- Full language and sizing support (metric / imperial)

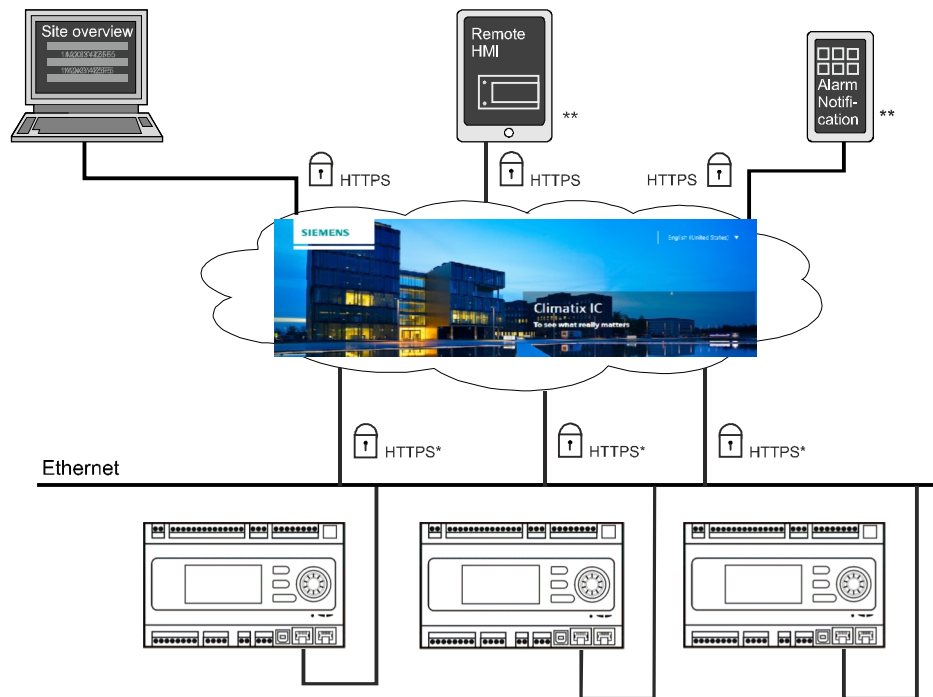
Functions

Climatix controllers with integrated IP port connect to the Internet via a router. The controllers get registered on Climatix IC as per their credentials (OEM identification). Via the Internet and Climatix IC, OEM authorized service organizations or partners can access the data of these controllers.

Climatix IC is a cloud-based system and can be used on PCs or laptops to operate and monitor OEM equipment from anywhere and at anytime.

Climatix IC reduces service costs and enables OEM equipment servicing.

Climatix IC structure



* HTTPS is used for most use cases. HTTP is only used from the controller for file up/downloads (e.g. parameters, application), but the command itself is transmitted via HTTPS.

** Usable but not optimized for tablet or smart phone operation

Hardware

Representatives of the POL6xx controller range include an integrated IP port which can be connected to the Internet.

Climatix IC enabled controllers connect to Climatix IC and will be automatically assigned to the customer according to the individual OEM identification.

Software

Climatix IC is a cloud-based remote servicing system.

Users can sign in on a web browser supporting HTML5. Tested are Firefox and Chrome latest versions (release date of this document).

Users can access functions and services according to their credentials.

Climatix IC runs in the browser on any PC or laptop and does not require additional software.

Climatix IC application packages

Climatix IC20 offers various functions and features in support of OEM service organizations during the commissioning and maintenance phase.

Climatix IC is a cloud-based remote servicing platform for remote maintenance of OEM HVAC equipment.

Package	Description
Climatix IC20.500	This package allows OEM service organizations to remotely operate, analyze and upgrade equipment with limited data history
Climatix IC20.520	This package allows OEM service organizations to remotely operate, analyze and upgrade equipment with extended data history

Features of Climatix IC20

Menu	Feature	Short description
Dashboards**		[Map view]
	Map with KPI	Map view of the available plants with key performance indicators
	Overview	Predefined plant dashboard** and user specific dashboards**
Operating		[Overview of all plants]
	Plant dashboard**	Application set specific and user role specific plant dashboards
	Data points	Data point access including data history viewer. Multitrend viewer for historical values
	Alarms	Actual alarms and alarm history for a plant
	Web access	Access to local web server, e.g. HMI@Web
	Web graphic	Web graphics based on SVG
	Upgrade	Remote system upgrade service
	History	Set point history and system command history
	Schedulers	Time scheduler and calendar setting
	Tasks	Overview of active tasks and task history
	Documentation	Available documentation to the assigned application set
Application sets		[Overview of available application sets]
	Administration	Basic data, alarm and security level settings
	Plant files	Linked applications and firmware
	Miscellaneous files	Linked documentation
Administration		[Overview of assigned/unassigned plants]
	Plants	Manage unassigned and assigned plants. Define plant users, alarm notifications and replace controllers.
	Users	Create users and allocate users to roles
	Tenants	Edit tenant settings and get tenant distributor key
	User roles	Create individual plant roles

** Dashboards include user definable tiles (e.g. with present values) and user definable chart types (line, bar, gauge, circular gauge).

Key data

Climatix IC portal	www.climatixic.com
Supported clients	PC, laptop, (tablets, smart phone)*
Supported browser	HTML5 (Firefox, Chrome)

* Usable but not optimized for tablet or smart phone operation.

Credit fund principle

Climatix IC is based on monthly credit consumption according the used packages (as defined in SaaS contract).

A customer specific credit fund is installed to enable customers to buy, store and consume Climatix IC credits.

The consumption of the credits is directly related to 3 components:

- Application package
- Type of connected device
- Amount of connected devices

The consumption is calculated on a monthly basis and credits will be deducted from the customer's credit fund accordingly at the end of each month.

Credit ordering

Climatix IC credits can be ordered by the ASN/SSN.

ASN	SSN
POL0L2.00/STD	S55-693-L120-A100

Supported devices

Devices	Description
POL638.xx	Climatix OEM controller (21 I/O)
POL687.xx	Climatix OEM controller (27 I/O)

Limits per plant (device)

Shown below are the system limits, but some limits can be tailored by customers for their own purposes.

User accounts	As per customer contract
Data points	2'000 including system data points
Data point pages (watch pages)	40 including system page
Maximum of entries in trend history	IC20.520 : 250'000 (cycle buffer)
per trend object *	IC20.500 : 40'000(cycle buffer)
Entries in command and system history	40'000 (cycle buffer)
Alarm entries	500 (cycle buffer)
Maximum of events	5 events per second (depending on network capability and controller application)

* Maximum of entries in trend history is customer specific.