

Device Development

XWEB EVO



Introduction	Device images, features & regulation
Application Image	Main application and scalable solution
User Interface	New web and unique user interfaces
Device Layouts & Connections	Technical image of the device and its connections
Main screens	Layout, device view, dashboard, performance meter etc
Connectivity	Connection via tablet and smartphone, local and remote connections
Specification and function	Hardware specification and functions

Introduction

Introduction

Device Image



Key Features & Regulation

- Wide choice of data views from devices, individual or aggregated
- At least one year of data recording for analysis and reports
- Complies with the regulation for recording food temperatures
- Possibility to remotely modify the parameters of the devices
- Alarm management with notifications and priority levels
- Notification of alarms and reports via SMS or email
- Full or partial backup and restore of the system data
- Automatic search for devices in the field to speed up the commissioning
- Possibility to create XWEB pre-configuration archives for even faster commissioning: devices, network, system, users, and more

Introduction

- Supervisor and monitoring systems for the management of Retail field and HVAC/R applications.
- XWEB is designed to obtain energy savings, thereby reducing running costs and helping to preserve the environment. Our solution are synonymous with quality, user friendliness & efficiency because they are focused to meet end user needs

Application Image

Device Within the Application

Main application



Hypermarkets



Convenience stores



Supermarkets



Petrol stations



Restaurants

Device Within the Application

Scalable solution

The XWEB EVO Series offers maximum adaptability suitable for every kind of application, from petrol station, to hypermarket, convenience stores and restaurant chains



Device Within the Application

Application Image



User Interface

User Interface

New web interface for supervisor and monitoring system

The XWEB EVO family is even more enhanced today thanks to the new web user interface developed to allow easier and faster access to information.



- New look with immediate and clear information
- The same, rich user experience even for local, remote or mobile access
- Easier instrument installation
- customizable web user interface for navigation without any additional software

User Interface

Unique interface

The new XWEB EVO web interface automatically adapts to each kind of device.

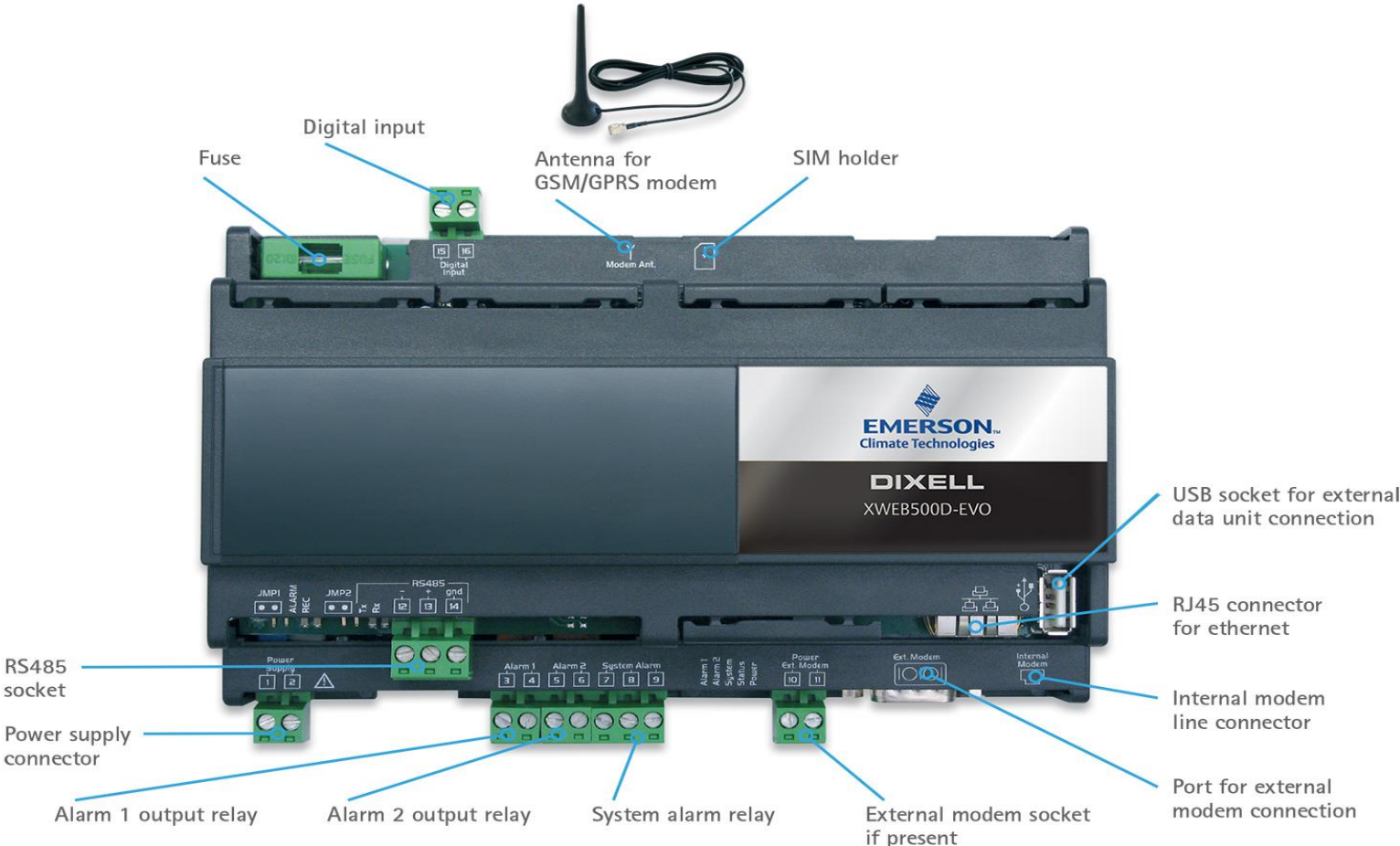
The same look is available for PC, tablet, smartphone and XWEB3000/5000 local interface, ensuring the same completeness of information for mobile devices.



Device Layout & Connections

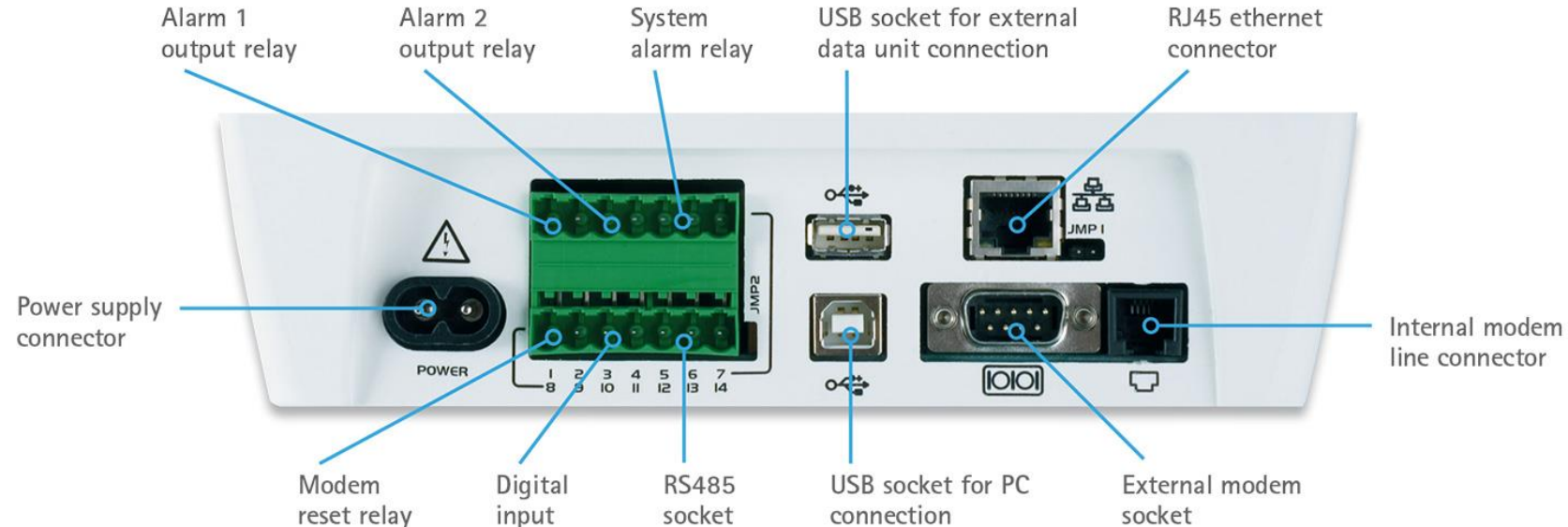
Device layout and connections

XWEB500D Evo



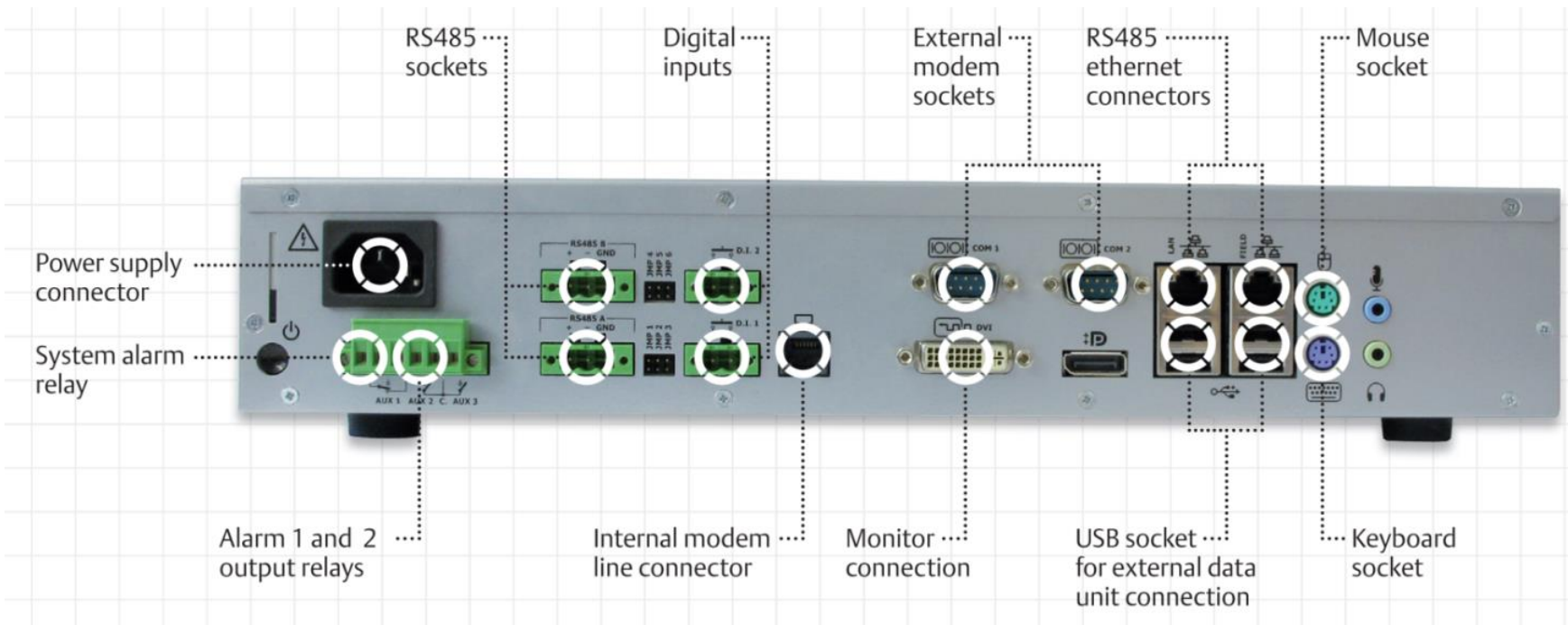
Device layout and connections

XWEB500 Evo



Device layout and connections

XWEB5000 Evo

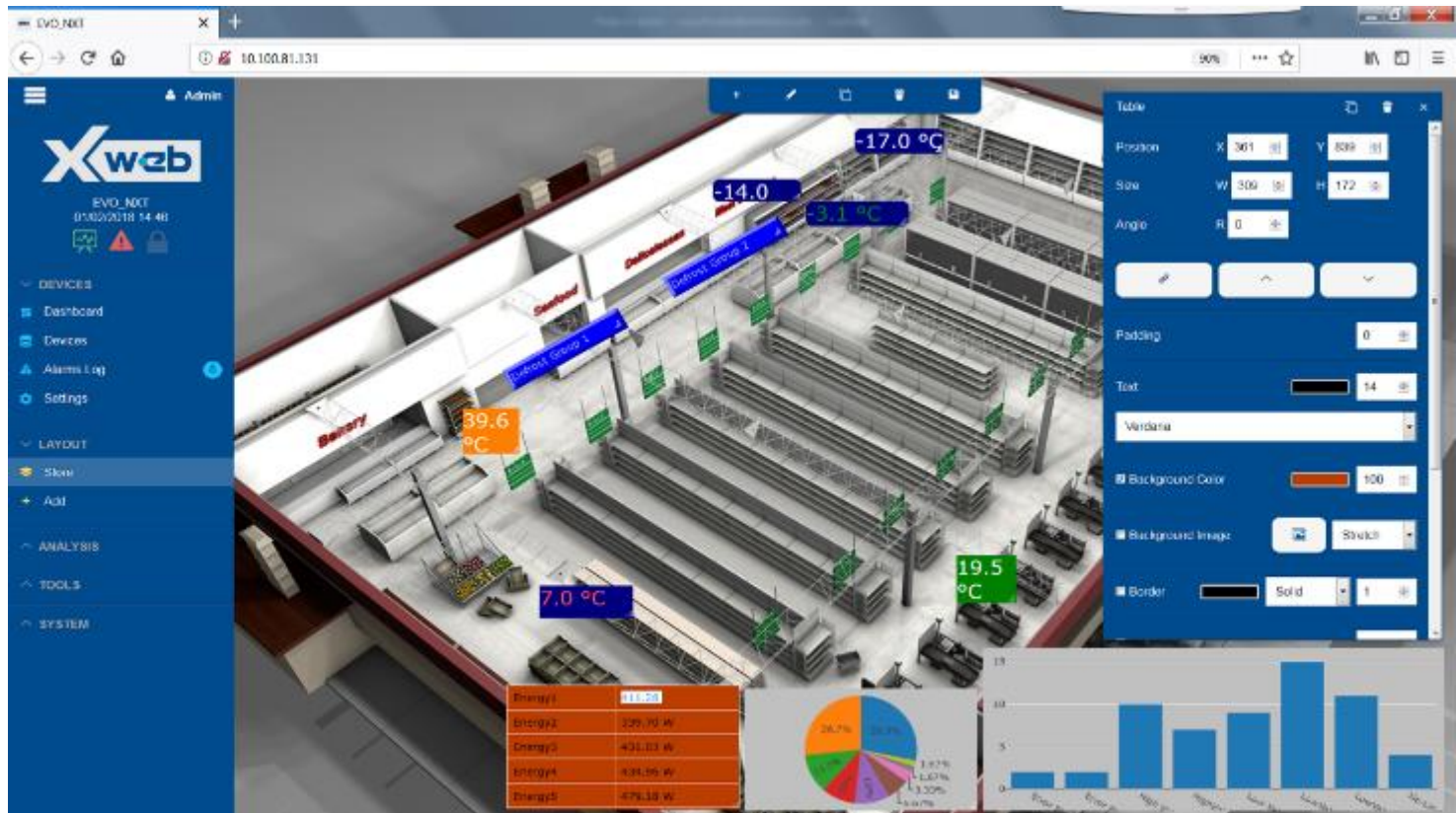


Main screens

Main screens

Layout

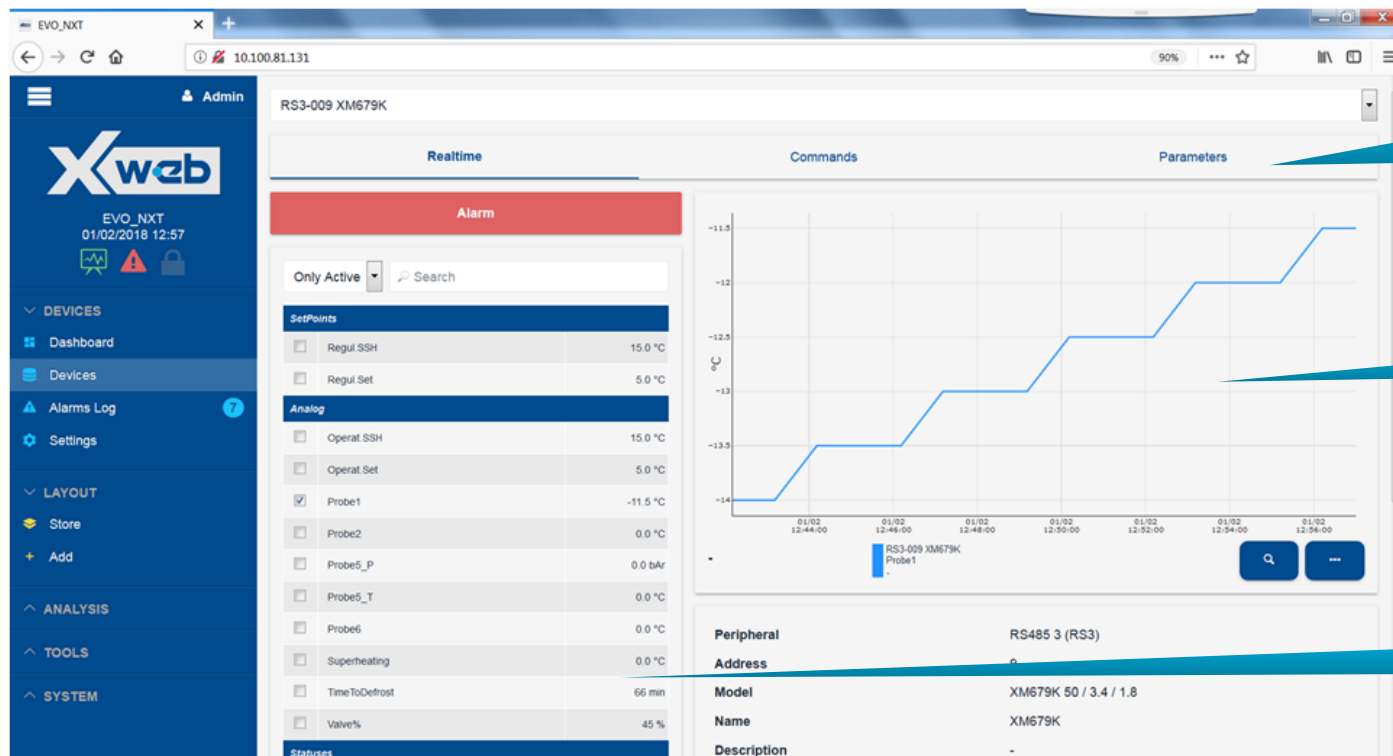
A new powerful graphic editor makes XWEB layout the ideal solution to create tailored floorplans according to customer needs. Using this function, the user can quickly access controller data and even send a command to a controller.



Main screens

Device view

This powerful tool allows the user to have access to the recent status of the single controller updated in real time, send commands to the controller, adjust the set point, or modify its parameters. The parameter map can be exported into various formats: CVS/XLS/WIZMATE and can be reused with other controllers within the same system or a different system.



All the tools in one page

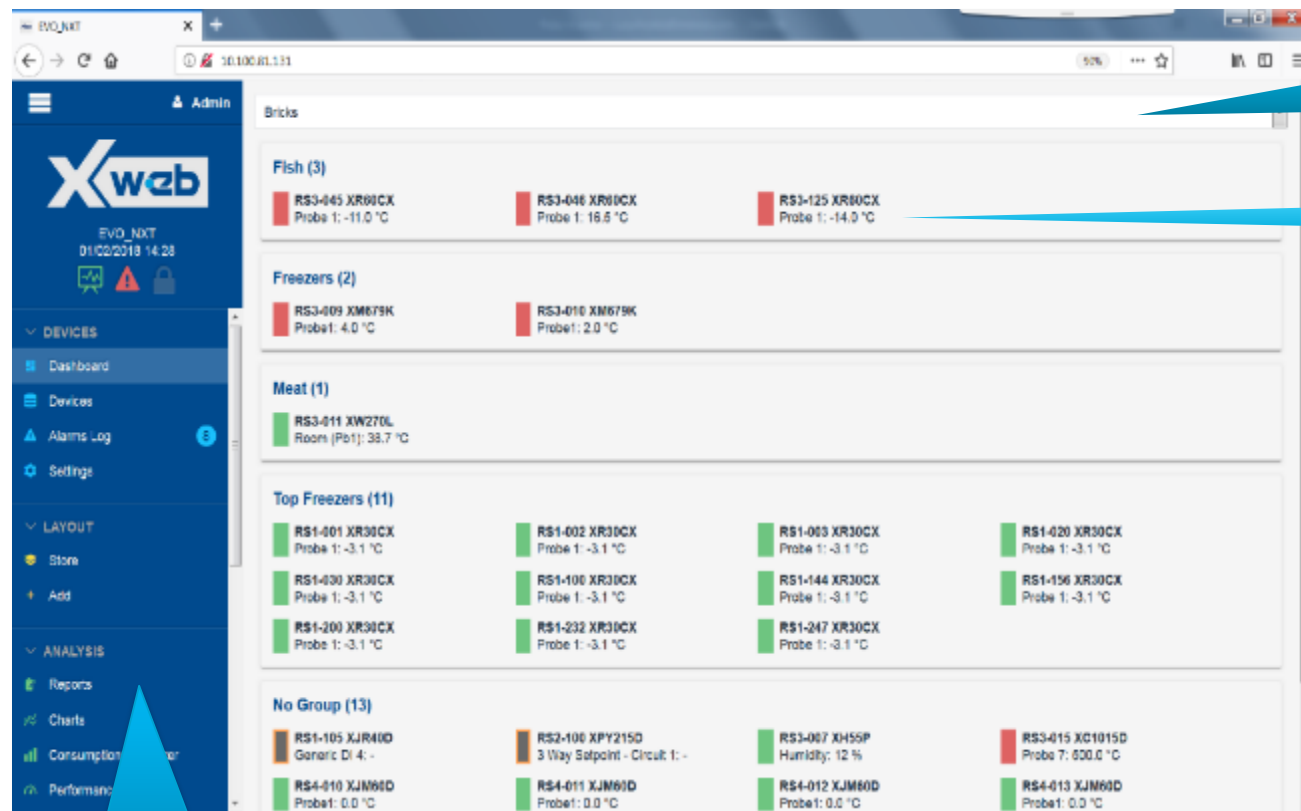
Graphs

Values in real time

Main screens

Dashboard

The new Dashboard allows the user to choose among different layout options that are available on XWEB for an easier and even more responsive navigation.



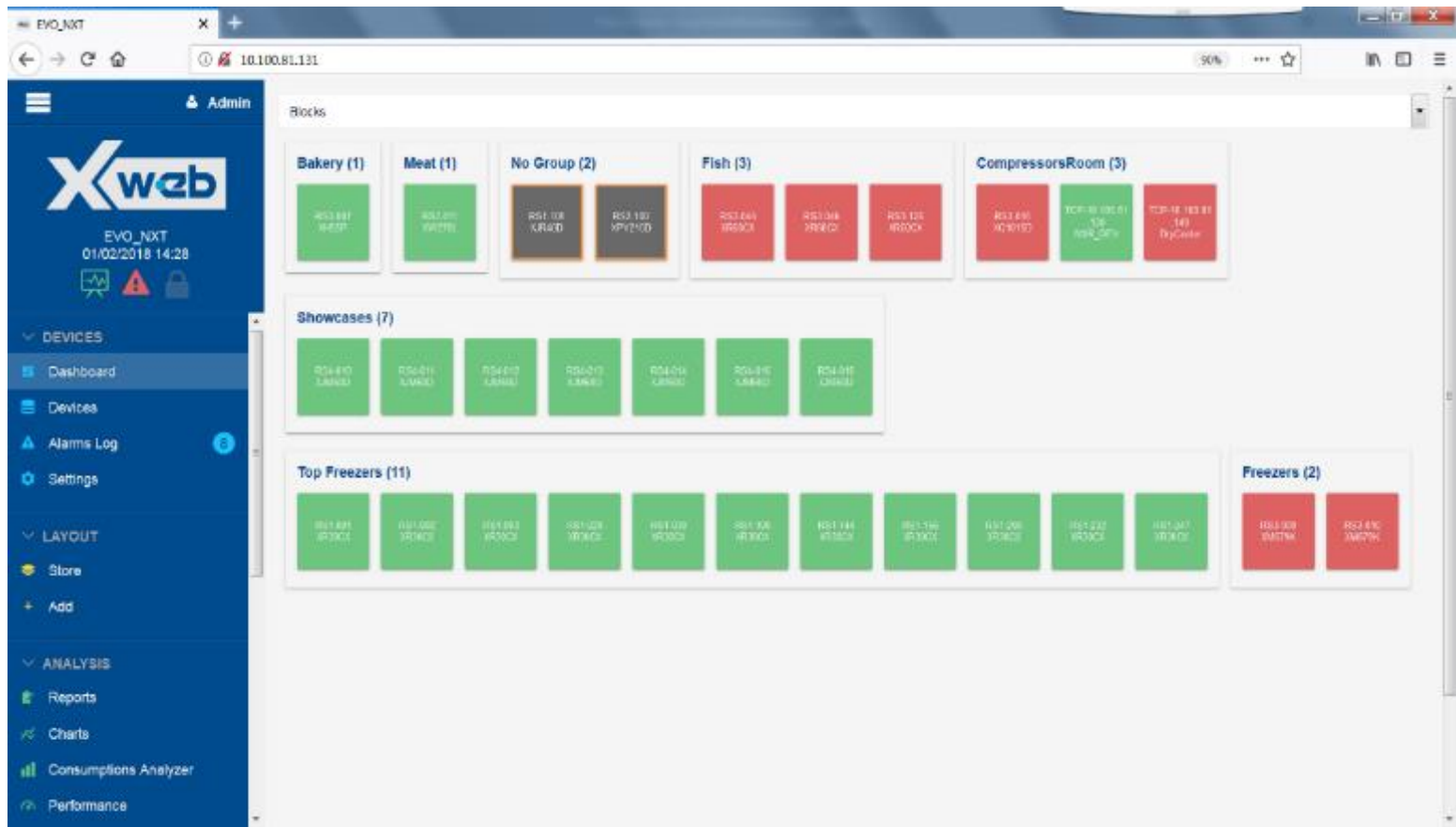
Select overview type

Device info

Site Navigation

Main screens

Dashboard



Main screens

Dashboard

The screenshot displays the Xweb dashboard interface. On the left is a dark blue sidebar with the Xweb logo and navigation menu. The main content area shows a table of active alarms, categorized by device groups. The user 'Admin' is logged in, as indicated in the top right corner.

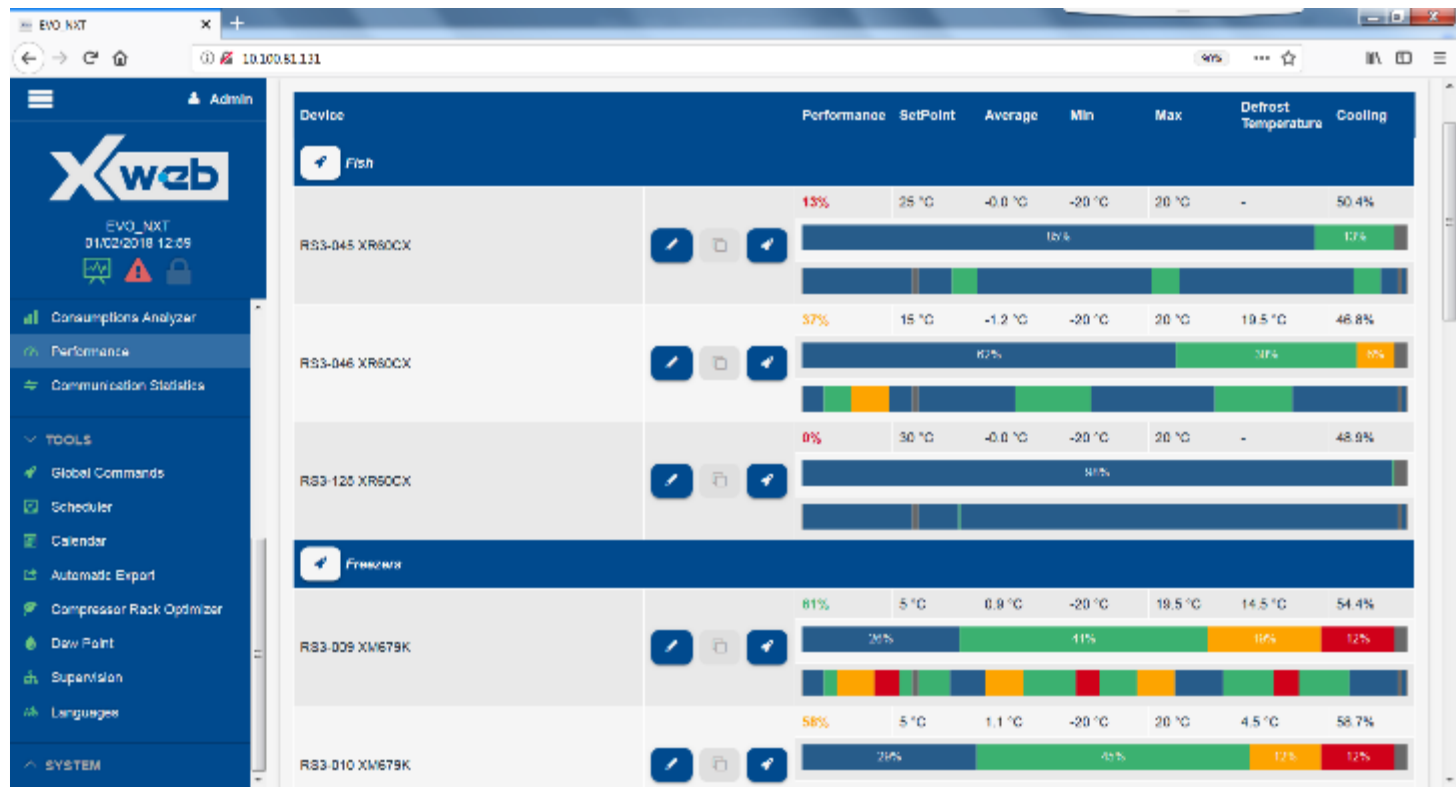
Active Alarms

Device	Alarm
CompressorsRoom	
RS1-015 XC1015D	Error Pb1
RS1-015 XC1015D	Error Pb3
Freezers	
RS1-009 XM679K	HighValuePDef
RS1-009 XM679K	HighValuePReg
RS1-009 XM679K	OpenDoor
RS1-010 XM679K	HighValuePDef
RS1-010 XM679K	HighValuePReg
RS1-010 XM679K	OpenDoor
No Group	
RS1-001 GMM	No-Link

Main screens

Performance meter

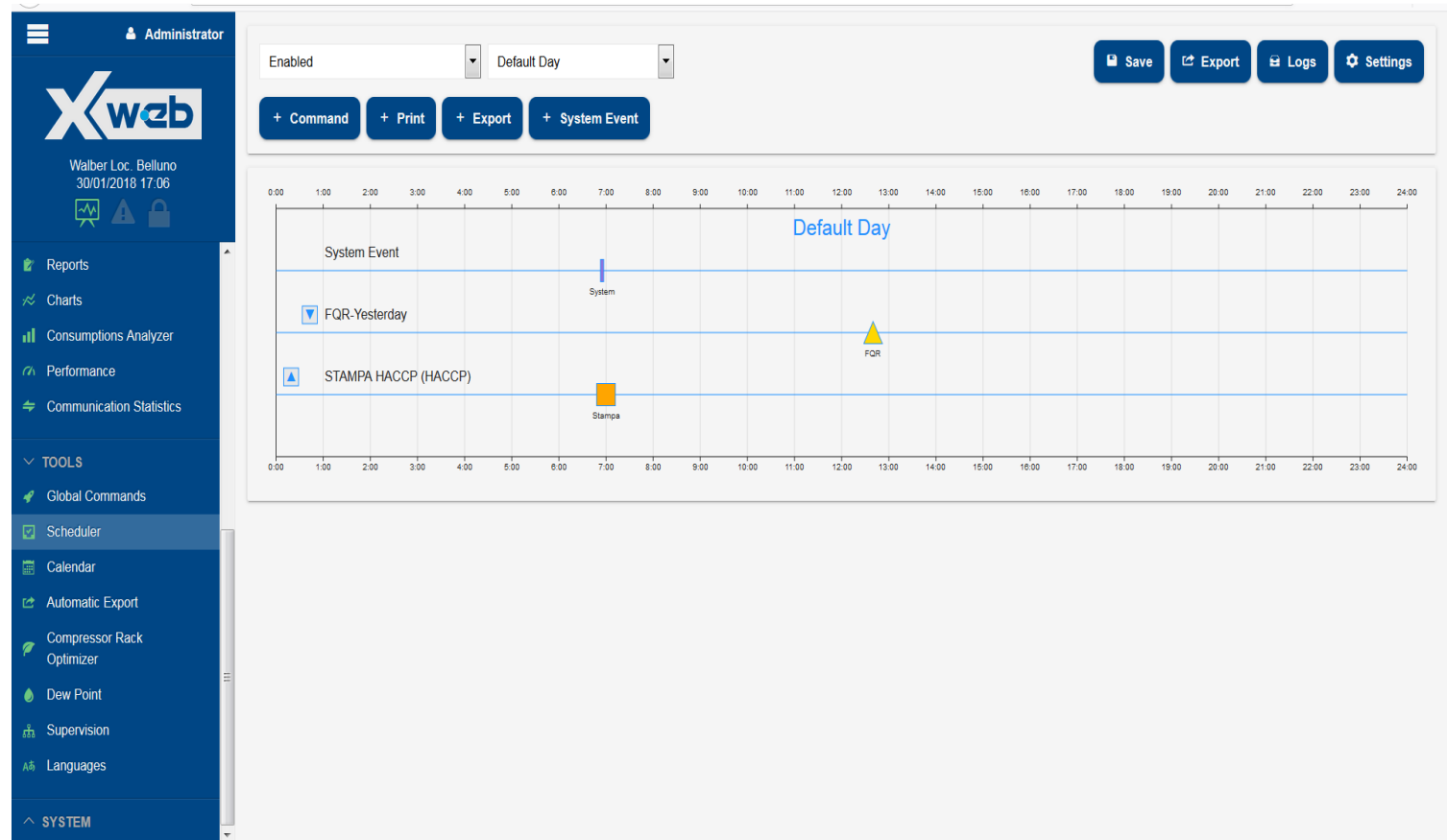
This highly appreciated function allows users to verify the right temperature for single devices (wall cabinets, rooms, and more). The graphical layout offers a complete view of the plant operating mode. The new automatic configuration makes the use of this function faster and easier.



Main screens

Scheduler

The Scheduler is a powerful graphic tool to manage commands sent to the controllers. You can quickly see an overview of all daily activity.



Training & Development

Main screens

Alarms

This special function allows to display the list of active or historical alarms with all associated notifications.

The screenshot displays the Xweb interface for managing alarms. On the left is a navigation menu with options like DEVICES, Dashboard, Devices, Alarms Log, Settings, LAYOUT, ANALYSIS, Reports, Charts, Consumptions Analyzer, and Performance. The main area shows an 'Advanced Filter' section with buttons for 'Advanced Filter', 'Delete', and 'Apply'. Below this is a table of alarms with columns for ID, Device, Alarm, and Duration. A callout box labeled 'Alarms list' points to the table. A detailed view of an alarm is shown on the right, with a callout box labeled 'Alarm details' pointing to it. This view includes fields for Alarm, Category, Start, End, and Duration, and a table of notifications with columns for Date, Level, Notification, service, Recipient, and Status.

ID	Device	Alarm	Duration
1016	RS1-051 Cella Surgelati 31	Porta Apert...	00:00:00.00-00:00:00.00-00:00:00.00-00:00:00.00
1015	RS1-033 Cella Latticini 13	Porta Apert...	
1014	RS1-032 Cella Ortofr...	Porta Apert...	
1013	RS1-020 Murale IV G...	High Value...	
1012		Porta Apert...	
1011		Porta Apert...	
1010	RS1-041 Armadio Surgelati 21 Sx	No-Link	
1009	RS1-062 Elettromeccanico TN	No-Link	
1008	RS1-019 Murale Latticini Dx	No-Link	
1007	RS1-011 Mur. Basso LS	No-Link	
1006	RS1-017 Tradiz. Cami 7	No-Link	
1005	RS1-041 Armadio Surgelati 21 Sx	No-Link	
1004	RS1-061	No-Link	
1003	RS1-016	No-Link	
1002	RS1-032 Cella Ortofrutta 12	No-Link	

Date	Level	Notification	service	Recipient	Status
15/12/2017 22:23:09	Normal	Stop	Email	gok	✓
15/12/2017 22:23:56	Normal	Stop	Email	md	✓
15/12/2017 22:23:52	Normal	Stop	Email	dzs	✓
15/12/2017 22:23:47	Normal	Stop	Email	pbx	✓
15/12/2017 21:39:00	Normal	Start	Email	md	✓
15/12/2017 21:38:57	Normal	Start	Email	dzs	✓
15/12/2017 21:38:54	Normal	Start	Email	gok	✓
15/12/2017 21:38:50	Normal	Start	Email	pbx	✓

Main screens

Graphs

Rendering of data from multiple devices



Main screens

Energy consumption

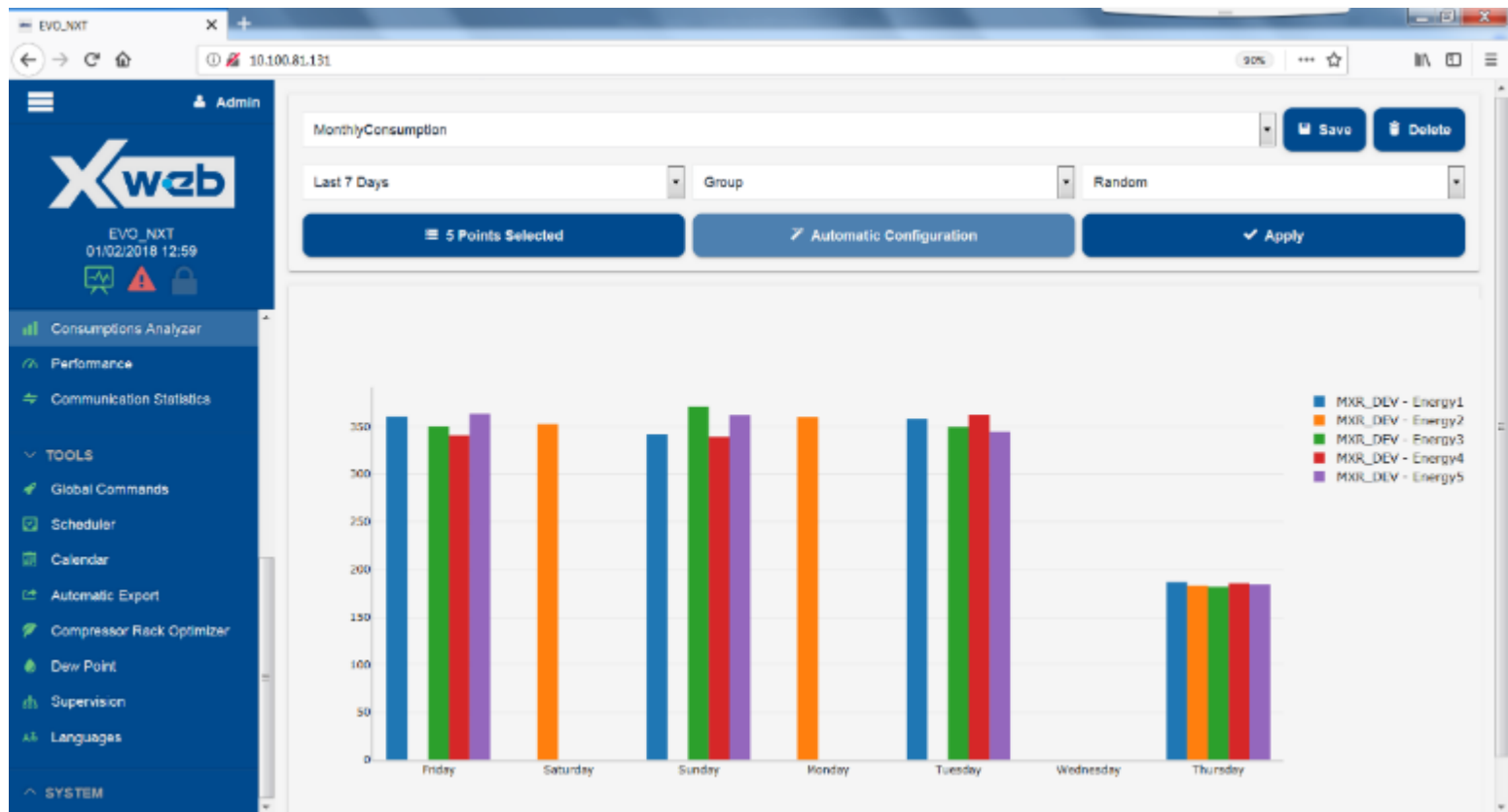
The user can easily retrieve the consumption data thanks to the bar charts and quickly analyze the plant energy efficiency.



Main screens

Energy consumption

Stack or bar chart



Main screens

Food quality report

The Food Quality Report reports the temperature values of the day listed for each device. It highlights in different color possible anomalies in the temperature of food storage.

The screenshot displays the Xweb interface for HACCP and Food Quality Reports. The left sidebar contains navigation menus for 'DISPOSITIVI', 'ANALISI', 'STRUMENTI', and 'SISTEMA'. The main content area is divided into two sections: 'Rapporti HACCP' and 'Rapporti Qualità Cibo'. The 'Rapporti Qualità Cibo' section shows a report for device #f8007, titled 'Food Quality Report -- Yesterday'. Below this, a browser window displays a detailed 'Food Quality Report' for 'Mas BL' dated 08-02-2018. The report includes a legend for error types (Cold Error, Cold Warning, Hot Warning, Hot Error, Completely missing data, Partially missing data, Defrost + Post Defrost) and a data table with columns for Address, Name, Unit, and hourly temperature readings from 00:00 to 23:00, along with Max and Min values.

Address	Name	Unit	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	Min		
Banchi BT																														
RS1-041	Armadio Surg...	°C	-23	-22	-21	-22	-3.9	-22	-22	-23	-22	-23	-21	-22	-22	-23	-22	-22	-22	-23	-23	-22	-22	-22	-23	-22	04:25	9.6	18:40	-24
RS1-042	Armadio Surg...	°C	-23	-22	-22	-23	-2.8	-22	-22	-23	-22	-23	-21	-22	-22	-23	-22	-22	-22	-22	-23	-23	-22	-22	-22	04:30	9.0	18:25	-25	
Banchi TN																														
RS1-011	Mur. Basso LS	°C	0.0	0.2	-0.2	-0.1	❄️	-0.3	0.2	-1.9	-2.3	-2.1	-0.8	-1.2	❄️	0.3	-0.4	-0.9	-1.6	-1.0	-1.7	0.2	❄️	0.0	-0.4	0.2	00:00	3.0	07:55	-6.1
RS1-012	Tradiz. Gastro...	°C	0.1	0.2	0.2	0.1	❄️	-0.2	0.1	-0.1	0.2	-0.1	0.2	0.3	❄️	0.9	0.1	0.5	0.1	0.6	0.2	0.4	❄️	1.0	0.8	0.1	00:00	3.0	00:00	-2.1
RS1-013	Tradiz. Gastro...	°C	0.9	0.6	1.2	0.7	❄️	0.8	0.5	1.1	0.8	1.0	1.2	1.1	❄️	1.3	0.9	1.2	0.8	1.2	1.1	0.6	❄️	0.9	1.1	0.4	00:25	4.0	03:05	-2.1
RS1-014	Tradiz. Gastro...	°C	-0.9	-1.1	-1.2	-1.2	❄️	-0.8	-1.5	-1.1	-1.3	-0.4	-1.1	-1.0	❄️	-1.2	-1.3	-0.7	-1.8	-1.2	-0.8	❄️	-0.0	-0.5	-1.1	00:00	1.0	11:30	-3.1	
RS1-015	Retrobanco 5	°C	❄️	1.0	0.4	0.4	0.2	0.0	❄️	0.5	0.3	1.1	1.1	❄️	0.3	1.1	0.4	0.8	❄️	❄️	❄️	❄️	0.0	0.6	0.7	❄️	10:40	4.0	03:30	-3.1
RS1-016	Murale Basso...	°C	0.6	0.4	0.2	0.2	0.6	❄️	0.1	0.1	-1.2	-1.8	-0.3	0.0	❄️	0.3	-0.2	-0.8	-0.6	-1.0	0.2	❄️	0.5	-0.3	0.1	11:35	3.0	08:45	-6.1	
RS1-017	Tradiz. Carni 7	°C	0.8	0.4	0.5	0.6	1.0	❄️	0.8	0.1	0.6	1.0	1.0	0.8	0.2	❄️	0.2	0.6	0.7	0.7	0.3	0.2	0.6	0.4	-0.2	00:20	3.0	07:00	-4.1	
RS1-018	Murale Lattici...	°C	0.5	-0.1	0.6	0.1	0.1	1.1	4.3	0.1	0.4	0.9	1.0	0.6	0.3	2.5	4.8	0.4	0.6	0.4	0.4	0.9	-0.0	2.8	2.9	0.5	14:20	8.9	18:20	-3.1
RS1-019	Murale Lattici...	°C	2.4	1.9	2.5	2.4	5.3	2.7	2.7	2.4	2.2	3.0	2.8	2.4	5.8	2.6	2.1	2.4	2.4	1.9	2.2	2.5	❄️	3.2	1.9	2.6	13:00	9.7	05:10	-1.1
RS1-020	Murale IV Ga...	°C	6.2	6.2	6.3	6.0	6.2	5.9	❄️	6.2	6.1	6.4	7.1	6.8	6.0	6.3	❄️	6.5	6.7	6.6	6.7	6.8	6.3	6.7	❄️	5.8	11:35	8.6	01:50	-1.1
Celle																														
RS1-031	Cella Carni Ro...	°C	0.3	0.8	0.7	0.7	0.8	0.6	❄️	0.4	0.8	0.8	0.9	0.6	0.7	0.3	❄️	1.5	1.8	0.9	0.9	1.0	0.8	0.8	❄️	0.9	16:10	6.0	00:00	-1.1
RS1-032	Cella Ortofrutt...	°C	9.0	9.0	8.8	8.8	9.0	9.0	❄️	8.9	8.8	8.8	8.8	8.8	8.7	8.8	❄️	8.8	8.8	8.7	8.8	9.0	8.9	8.8	8.9	8.9	00:00	10.0	00:00	8.1

Main screens

HACCP print

The HACCP report is just **two clicks away**: the user needs to just input the period of the report. The report can also be sent via email, printed directly or saved as PDF file.

H.A.C.C.P. printout										
WBELLUNO_EVO_NEWHW - XWEB EVO										
date: 06.02.14 time: 12.51 Sampling: 21.00 Selected interval: 30.01.14 12.46 - 06.02.14 12.46										
Legend: *=-defrost, !=post defrost, SO=System OFF, #=unit OFF, X=offline, §=door open										
TIME TABLE:		30/01	31/01	01/02	02/02	03/02	03/02	04/02	05/02	06/02
		12:46	09:46	06:46	03:46	00:46	21:46	18:46	15:46	12:46
RS1-010 Murale latticini 1_SX	°C	0.6	0.0	!0.6	0.4	2.7	*7.0	-1.8	!-1.8	-1.4
RS1-011 Murale latticini 2_SX_M	°C	-2.8	-0.2	!-1.9	2.6	3.0	*6.5	1.7	!0.4	0.4
RS1-012 Murale latticini 3_DX_S	°C	*7.8	-2.6	!-1.8	1.1	0.0	!0.8	2.2	2.4	*9.0
RS1-013 Murale latticini 4_DX_M	°C	*10.9	0.0	!2.0	2.1	1.3	!-1.3	1.3	0.8	*11.4
RS1-014 MURALE FV Pos 3M	°C	2.5	1.0	*9.9	0.6	!-2.2	-1.5	-0.9	!-0.4	3.3
RS1-015 Insalate 8M	°C	5.0	5.1	*11.6	4.4	5.6	1.8	2.6	!1.5	4.8
RS1-016 Pasticceria	°C	2.8	2.9	!3.4	1.5	3.5	1.6	2.4	!4.5	4.9
RS1-017 Gastronomia DX	°C	6.8	3.7	!6.8	4.0	4.4	3.6	6.3	!3.7	5.2
RS1-018 Gastronomia SX	°C	2.6	-0.3	!2.2	0.3	0.8	-2.0	2.0	!-2.4	-0.1
RS1-020 Take away Formaggi DX	°C	-4.3	-3.6	!-3.2	-1.0	-2.0	0.1	-1.6	!-5.0	1.0
RS1-021 Take away Formaggi SX	°C	4.1	-1.6	!0.1	-1.2	-0.7	3.4	0.6	!3.0	-0.5
RS1-024 BANCO CARNI Pos5	°C	0.0	1.7	!0.2	1.1	1.7	2.2	2.0	!2.6	0.4
RS1-025 Take away carni SX	°C	-2.2	-0.3	-0.4	0.0	0.0	!-0.9	0.5	-4.6	-0.8
RS1-026 Take away carne SX	°C	-0.2	-3.8	0.1	-1.5	-0.6	!-5.6	-5.3	-5.2	-0.3
RS1-027 CELLA PESCE	°C	0.2	0.2	*5.3	-0.2	!3.1	*3.5	-0.2	-0.1	1.3
RS1-028 CELLA ORTOFRUTTA	°C	9.3	9.9	*8.8	9.1	9.3	*9.4	8.0	9.8	§10.4
RS1-029 CELLA POLLI	°C	2.6	2.6	!0.6	1.3	2.7	!2.2	0.3	2.8	1.4
RS1-030 CELLA CARNI	°C	1.7	-0.1	!7.0	X	X	!1.6	1.0	2.0	1.3
RS1-031 CELLA SURGELATI	°C	-19.5	-18.1	!-12.0	-20.3	-19.2	!-14.1	-19.7	-17.7	-18.1
RS1-041 Surgelati SX	°C	-26.3	-23.6	-22.0	-23.5	-27.1	!-22.7	-25.6	-26.0	-22.3
RS1-042 Surgelati CE	°C	-25.4	-23.2	-21.8	-23.8	-24.2	!-22.0	-25.2	-22.1	-21.7
RS1-043 Surgelati DX	°C	-24.1	-23.4	-21.0	-23.3	-23.9	!-22.2	-25.2	-21.6	-21.9
RS1-060 Isola latticini	°C	-0.1	2.8	*8.2	-0.5	3.1	3.1	0.1	!1.6	0.9
RS1-061 Isola latticini	°C	0.5	0.5	*9.6	1.5	0.4	1.2	1.6	!1.4	0.8
RS1-062 Isola latticini	°C	-0.2	1.8	*9.0	3.0	0.5	1.2	0.0	!1.2	0.2
RS1-063 Isola latticini	°C	1.7	3.6	*10.3	-0.4	1.1	4.1	0.2	!0.2	-0.1
RS1-064 Isola latticini	°C	0.6	2.5	*9.1	0.3	0.9	1.3	3.3	!0.7	1.2
RS1-065 Isola latticini	°C	0.8	0.4	*8.0	2.2	2.8	0.8	2.2	!0.9	0.6

Connectivity

Connectivity

Connection via TABLET & SMARTPHONE

The user can access the revolutionary XWEB EVO user interface via tablet and smartphone simply using web browser already installed.



Using a common **Wi-Fi router**, it is simple and immediate to access the XWEB EVO interface that has been optimized for **tablets**. Displaying alarms, variables and much more is now even more convenient and secure with XWEB EVO

Connectivity

Local connections

XWEB EVO systems can all be connected directly to a PC via RJ45 cross cable.



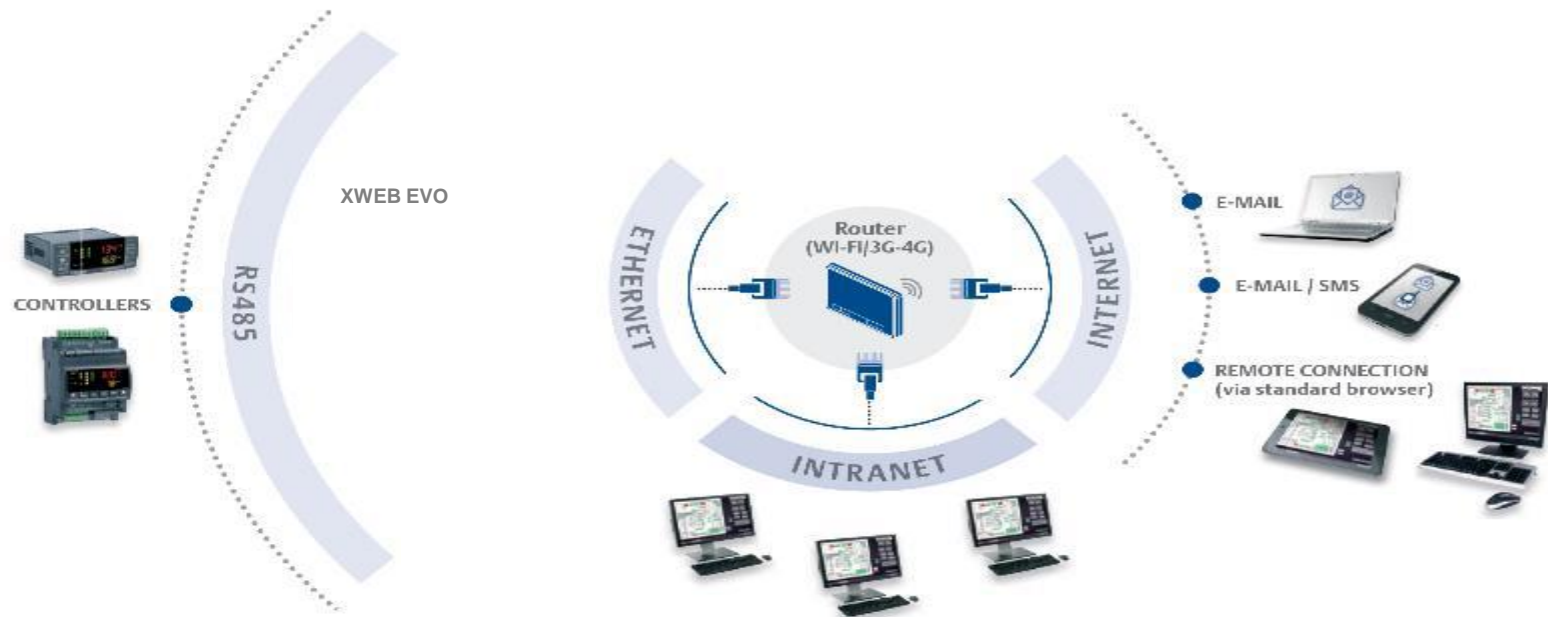
XWEB3000 EVO and XWEB5000 EVO can be used in stand-alone mode through a monitor, keyboard and mouse connection.

Connectivity

Remote connections

XWEB EVO systems can all be reached remotely in different ways:

- By modem with point to point connection
- By Ethernet connection, by RJ45 standard net connector
- By Internet connection, with a public and static IP



Specification and functions

Specification and functions

Hardware specification

	XWEB300D EVO	XWEB500D EVO	XWEB500 EVO	XWEB3000 EVO	XWEB5000 EVO
Applications	small and medium	medium and large	medium and large	large	large with supervision
Format	10 DIN Rail	10 DIN Rail	210x230x87h	350x235x47h	350x235x47h
Power supply	24Vac or 110÷230Vac	24Vac or 110÷230Vac	110Vac or 230Vac	110÷230Vac	110÷230Vac
Display			•		
N° of instruments	6-18	36-50-100	36-50-100	494	494
USB socket	1	1	1	6	6
Relay output	1	3	3	3	3
Digital input		1	1	2	2
Ethernet socket	1	1	1	2	2
RS485 socket	1	1	1	2	2
External modem	2G/3G opt	2G/3G opt	2G/3G opt	2G/3G opt	2G/3G opt

Specification and functions

Functions

	XWEB300D EVO	XWEB500D EVO	XWEB500 EVO	XWEB3000 EVO	XWEB5000 EVO
RS485 line check	●	●	●	●	●
Parameter programming	●	●	●	●	●
Dashboard home page	●	●	●	●	●
Device view	●	●	●	●	●
Fast Sampling Mode	●	●	●	●	●
Charts	●	●	●	●	●
Data Export in Excel®	●	●	●	●	●
Circular graphics - high resolution charts	6h	6h	6h	48h	48h
Real time graphics	●	●	●	●	●
System logs	●	●	●	●	●
User setup	●	●	●	●	●
Device setup	●	●	●	●	●
System setup	●	●	●	●	●
Calendar setup	●	●	●	●	●
System update	●	●	●	●	●
Alarm setup	●	●	●	●	●
XCENTER	●	●	●	●	●
Backup/Restore	●	●	●	●	●

Specification and functions

Functions

	XWEB300D EVO	XWEB500D EVO	XWEB500 EVO	XWEB3000 EVO	XWEB5000 EVO
Data log status	●	●	●	●	●
Daily export module	●	●	●	●	●
Language manager	●	●	●	●	●
Consumption Analyzer	●	●	●	●	●
HACCP report		●	●	●	●
Food Quality Report		●	●	●	●
Layout		●	●	●	●
Global commands		●	●	●	●
Alarms on XJR40D module		●	●	●	●
Scheduler		●	●	●	●
CRO module		●	●		●
Performance meter		●	●	●	●
Local print function				●	●
Dew point module					●
Supervision module					●