



CAREL



For food storage and display

The future of control solutions
for commercial refrigeration

iJF for food storage and display

iJF has been designed to be fitted on the best OEM units, offering a new platform with CAREL's historic know-how on electronic controllers. Design and aesthetic integration, highest performance and sturdiness, combined with a complete IoT offering, make iJF the best choice for the professional refrigeration sector.

New display, new technology

- Capacitive touch able to withstand the harshest conditions;
- Backlit buttons for maximum accessibility;
- Slim and elegant for perfect aesthetic integration.

iJF is the new CAREL control platform for food storage and display applications. It has been developed based on CAREL's extensive know-how in the refrigeration market, offering important technological evolutions to face the challenges of today and tomorrow.

Numerous options are available dedicated to energy efficiency and optimum food preservation, so as to reduce the environmental impact of the end applications.

Excellent usability and easy interaction thanks to built-in NFC and Bluetooth wireless technologies.



iJF is the ideal solution for display applications, such as pastry display cases. The modern design and colour customisation of the front panel ensure high levels of aesthetic integration with the overall unit.

Features such as humidity control or dimming of lights help maximise product presentation.



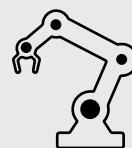
User experience

Improved user interface thanks to the use of specific apps for different types of users.



Energy efficiency

The ideal solution for reducing energy consumption, through management of variable-capacity compressors (VCC) and modulating loads.



Quick programming

Maximum flexibility on the production line using NFC technology and dedicated software tools.



High performance for the latest challenges in the refrigeration market

iJF is the ideal solution for achieving the goals of energy efficiency and optimum food preservation. It can directly drive VCC variable-speed compressors (serial or frequency), as well

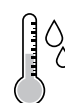
as modulating loads such as fans. It ensures better food preservation and presentation thanks to accurate control logic and the humidity management option. With growing demand for connected solutions, iJF features an RS485 serial port to simplify connections on site much as possible.



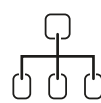
Quick and easy adoption of VCC solutions



Control of modulating loads



Accurate humidity control



Direct BMS connection



The iJF range is ideal for elegant aesthetic integration on professional refrigerators and freezers. Indeed thanks to its chrome finish, the iJF controller becomes an integral part of the unit itself, redefining its design. Moreover, the different sizes available (Small, Large, XL) allow manufacturers to differentiate and emphasise different product lines through the thermostat.



Always connected



Local connectivity

- Custom app logo and name
- Custom graphics and colours
- Configurable functions for different user profiles



END USER



OEM



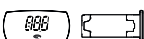
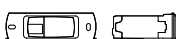
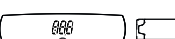
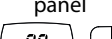
SERVICE



Remote connectivity

- Custom cloud portal with branding
- Also available via mobile app
- Configurable dashboards for unit status overview

Available versions

Specifications	small		large		XL	
Model	Panel 	Split 	Panel 	Split 	Horizontal panel 	Vertical panel 
	all-in-one	stand alone or connected to small/large/XL HMI	all-in-one	stand alone or connected to small/large/XL HMI	all-in-one	all-in-one
Power supply	100-240 Vac - OPTION: High-low voltage protection + Zero crossing detection					
Display	Up to 6 customisable buttons	-	Up to 8 customisable buttons	-	Up to 6 customisable buttons LED status bar	
Analogue inputs	up to 2 temperature probes		up to 3 temperature probes		Up to 2 temperature probes;	
Digital inputs	1 multifunction temperature probe; 1 voltage-free contact					
Digital outputs	Up to 4 relays		Up to 6 relays		Up to 5 relays	
Connectivity	NFC, Bluetooth, RS485					
Extra features (mutually exclusive)	VCC serial					
	Control of modulating loads (VCC frequency, EC fans, dimmable LED lights, ...)					
	Humidity management:					

Optional user interface for SPLIT versions

Specifications	small	large	XL horizontal	XL vertical
Model	HMI 	HMI 		
	display only			
Power supply	12 Vdc (supplied by the controller)			
Analogue inputs	-	1 temperature probe	-	
Digital inputs	1 multifunction probe	1 multifunction probe; 1 voltage-free contact	1 multifunction input	
Connectivity	NFC and Bluetooth			

Headquarters

CAREL INDUSTRIES HQs
Via dell'Industria, 11
35020 Brugine - Padova (Italy)
carel@carel.com



Authorised distributor

Arion S.r.l.

Sede operativa:
Via Pizzo Camino, 28
24060 Chiuduno (BG) - Italy
www.arionsensors.com

C.R.C. S.r.l.

Via Selva di Pescarola 12/9
40131 Bologna - Italy
info@crc-srl.net
www.carel.com

ENGINIA S.r.l.

Viale Lombardia, 78
20056 Trezzo Sull'Adda (MI) - Italy
www.enginiasrl.com

HygroMatik GmbH

Lise-Meitner-Straße 3
24558 Henstedt-Ulzburg - Germany
www.hygromatik.com

Klingenburg GmbH

Brüsseler Str. 77
45968 Gladbeck - Germany
www.klingenburg.de

Klingenburg International Sp. z o.o.

ul. Metalowców 5
PL-58-100 Świdnica, Poland
www.klingenburg.pl

RECUPERATOR

Via Valfurva 13
20027 Rescaldina (MI) - Italy
www.recuperator.eu

Sauber

Via Don Doride Bertoldi, 51
46047 Porto Mantovano (MN) - Italy
www.sauberservizi.it

Senva

1825 NW 167th Pl, Beaverton,
OR 97006, Stati Uniti
www.senvainc.com

CAREL

To the best of CAREL INDUSTRIES S.p.A. knowledge and belief, the information contained herein is accurate and reliable as of the date of publication. However, CAREL INDUSTRIES S.p.A. does not assume any liability whatsoever for the accuracy and completeness of the information presented without guarantee or responsibility of any kind and makes no representation or warranty, either expressed or implied. A number of factors may affect the performance of any products used in conjunction with user's materials all of which must be taken into account by the user in producing or using the products. The user should not assume that all necessary data for the proper evaluation of these products are contained herein and is responsible for the appropriate, safe and legal use, processing and handling of CAREL's products. The Information provided herein does not relieve the user from the responsibility of carrying out its own tests, and the user assumes all risks and liabilities related to the use of the products and/or information contained herein. © 2025 CAREL INDUSTRIES S.p.A. All rights reserved.