WEIGHTRON BILANCIAI
INDUSTRIAL WEIGHING SPECIALISTS
BILANCIAI GROUP

OMNIA120 S



OMNIA120 P



OMNIA120 SC



OMNIA 120

TOUCH SCREEN
WEIGHING TERMINALS

BILANCIAI GROUP

OMNIA120

TOUCH SCREEN WEIGHING TERMINALS

THE SMART WEIGHING TERMINAL, TAILORED TO YOUR COMPANY

OMNIA120 is a programmable weighing terminal based on Windows, designed to offer **maximum flexibility and integration with company IT systems.**

Ideal for businesses requiring customized solutions, it integrates advanced weighing functions with customizable software applications for logistics management, access control, and movement monitoring.

THE COMPLETE RANGE:



OMNIA120 SC



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WHY CHOOSE OMNIA120

- **OPERATING SYSTEM: WINDOWS:** SOLID, RELIABLE, AND EASILY INTEGRABLE
- **CUSTOMIZABLE SOFTWARE** TO ADAPT TO THE CUSTOMER'S OPERATIONAL WORKFLOWS
- **APPROVED FOR LEGAL USE IN TRADE ACCORDING** TO DIRECTIVE 2014/31/EU AND OIML R76
- **COMPATIBLE WITH CPD DIGITAL LOAD CELLS**

MAIN TECHNICAL FEATURES

Industrial 12.1" touchscreen display

- 1200x800 resolution – capacitive technology
- **AISI 304 stainless steel housing** (S and SC versions)

Connectivity and I/O

- **2 digital inputs / 2 digital outputs**
- **2 serial ports RS232 / RS422**
- **2 Gigabit Ethernet ports** (10/100/1000 Mbps)
- **4 USB ports** (2x USB 3.0 + 2x USB 2.0)
- **HDMI video output**

Performance

- **8 GB** RAM – thermal range -40°/+85°C
- **64 GB** industrial SSD – thermal range -40°/+85°C
- CPU quad core - thermal range -40°/+85°

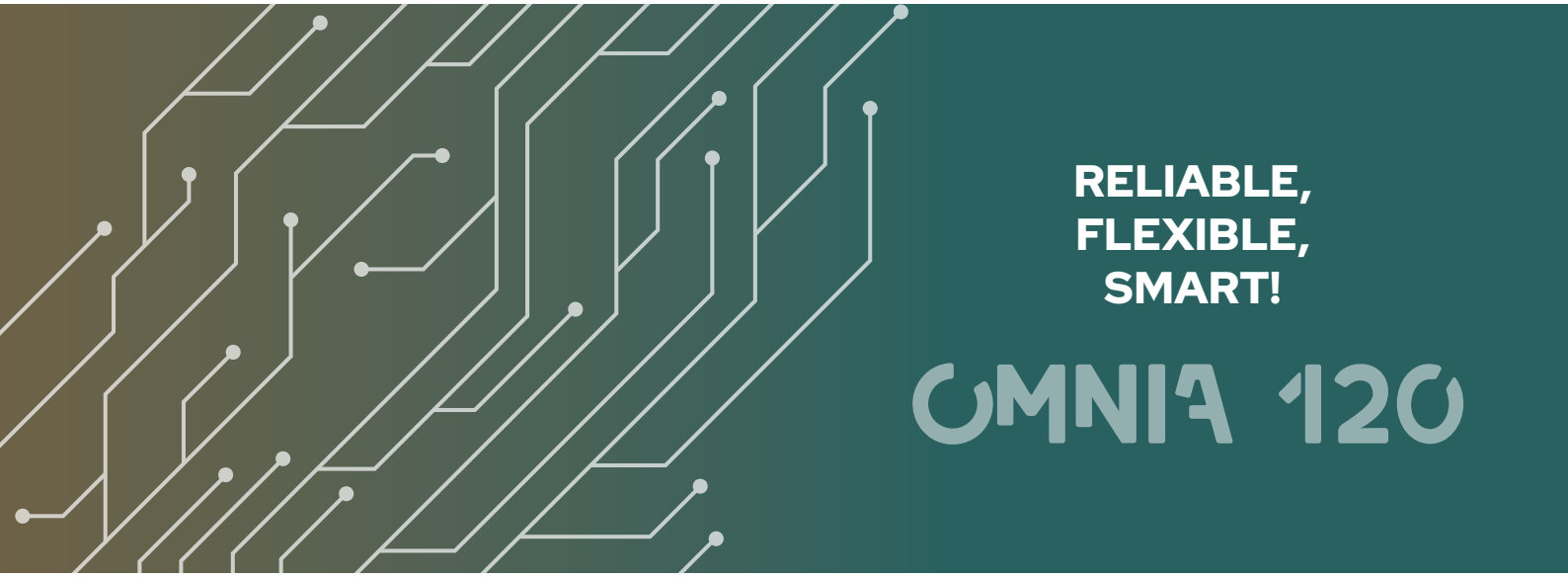
Weighing functionality

- Up to **2 digital converters** – up to **24 load cells total**
- Software certified **Welmec 7.2 (2023) U extension O,L,T,S Risk class C**

Operating temperature range: from -10°C to +40°C

THE OMNIA120 SERIES IS AVAILABLE IN THREE CONFIGURATIONS:

- **OMNIA120 SC**
  AISI 304 stainless steel version with **industrial connectors**, ideal for quick installations and simplified maintenance.
- **OMNIA120 S**
  AISI 304 stainless steel version with cable glands and **IP66 protection** rating, designed for harsh environments and frequent washdowns.
- **OMNIA120 P**
  Panel-mount version, suitable for direct integration into electrical panels or control consoles.



OMNIA120 SC

TOUCH SCREEN
WEIGHING TERMINALS

Declaration of Conformity

OIML R76-1 Certification

Stainless Steel

AISI 304 stainless steel version with **industrial connectors**, ideal for quick installations and simplified maintenance



Rear side



Bottom side



OMNIA120 S

TOUCH SCREEN
WEIGHING TERMINALS

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Stainless Steel IP66

AISI 304 stainless steel version with **cable glands** and **IP66 protection** rating, designed for harsh environments and frequent washdowns.



Rear side



Bottom side



OMNIA120 P

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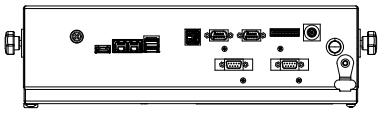
Rear side

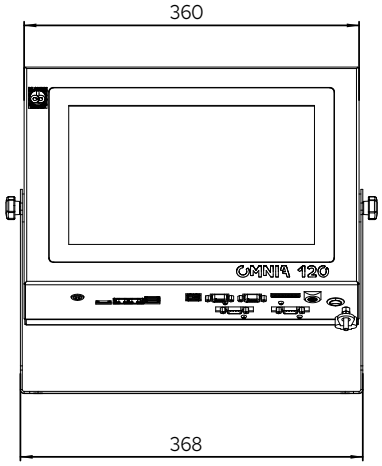


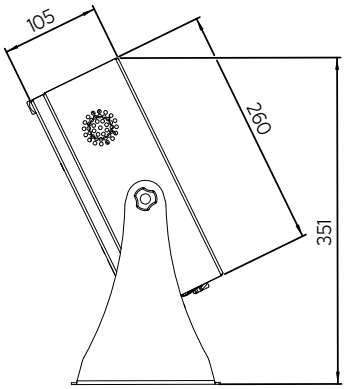
Bottom side

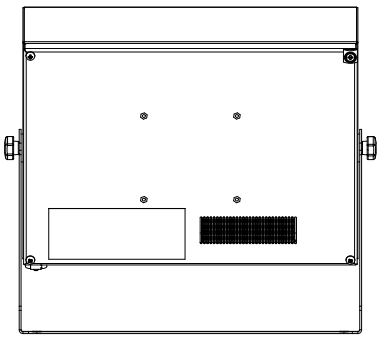


OMNIA120 SC

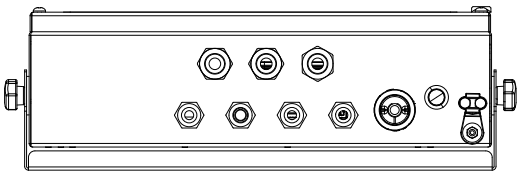


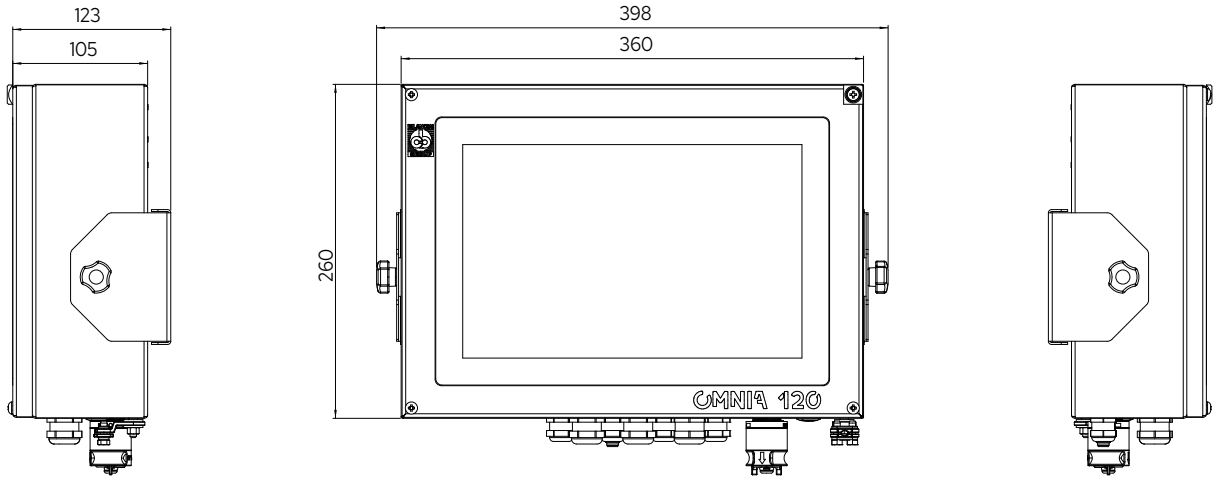




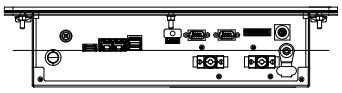


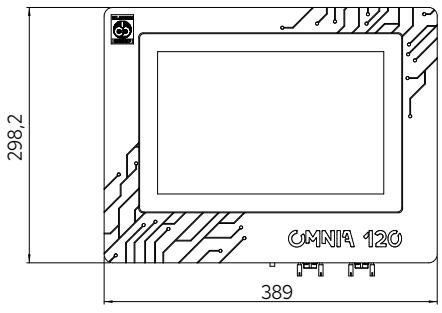
OMNIA120 S

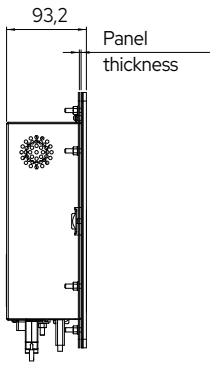


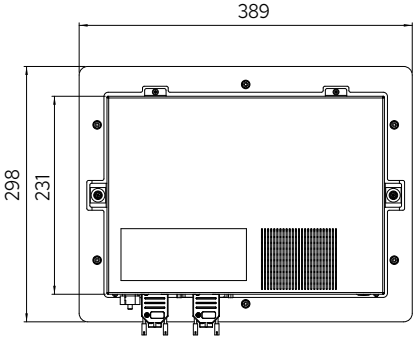


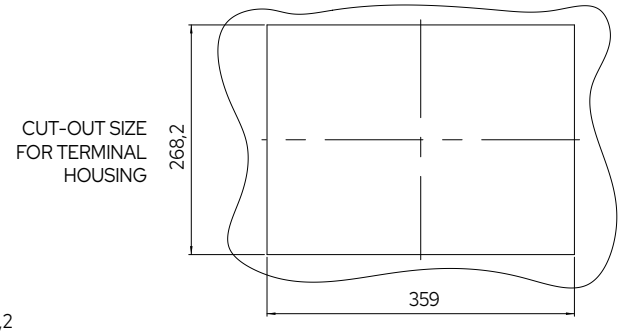
OMNIA120 P











In order to technologically improve its production, the company reserves the right to make changes and modifications to the products shown in the above pictures at any time and without prior notice.
09/2025 Edition

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