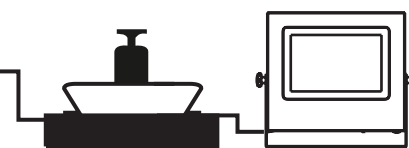# Create Your Own Solutions
For Your Industrial Weighing Processes

BX67W

BX66W/BX67W
Weighing Application Computers

BAYKON
Industrial Weighing Systems

Configurable PC based Scale Terminals for programmers to build their own applications for industrial environments.

✓ Scale functions with IDE independent TCP/IP protocol or indicator DLLs

✓ EU OIML approval (BX66W only)

✓ Windows 10 IoT operating system

✓ Stainless steel, easy to clean

✓ Suitable for wet and hygienic areas

✓ 10" and 15" touch screen models

✓ Desk/Wall/Panel type housing

✓ Up to 4 platform connections

✓ Up to 2 external precision balance connections

✓ Selectable scale indicator display size

✓ Selectable scale functions key and pictograms
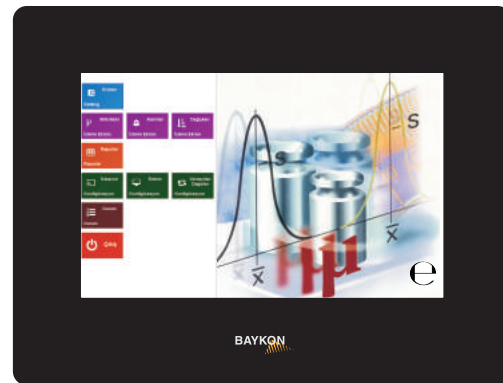

BX66W Wall Mount

Baykon BX66W/BX67W Terminals Weighing Application Solutions

Baykon Formulation is traceable and secure system from work order entry to recipe preparation - all fully integrated with ERP.
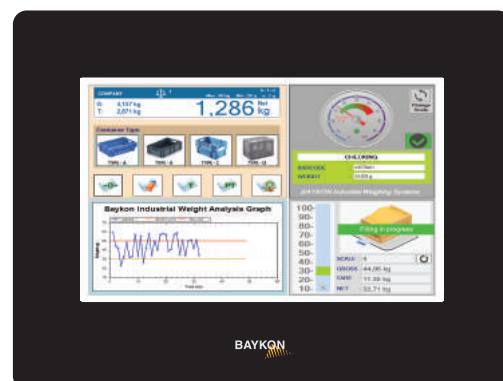

Baykon SQC Statistical Quality Control Solution provides monitoring and control of the production process.

Baykon Labelling and Data Management solution produces all types of labels and reports including QR-code. Records are transferred to ERP via Web Service or API.

Customised Application Software.
BAYKON's expert R&D team is able to provide a complete weighing solution depending on your process. Or, your programmer can develop your own application.

Ready Scale Infrastructure…

The BX66W/BX67W sets new standards, ideal for highly complex weighing operations. The perfect combination of computer and scale for industrial environments.

☑ Scale functions can be executed via TCP/IP protocol and are platform independent.

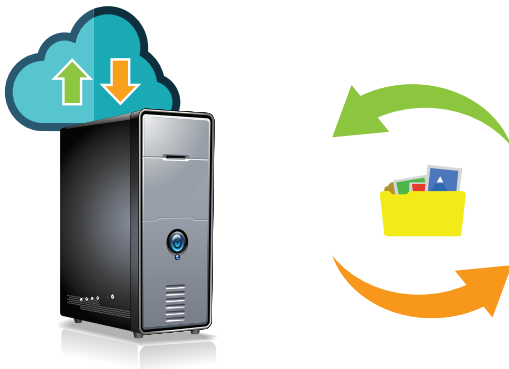Alternatively, indicator DLLs can be used to execute scale functions.

Indicator main display variants and scale keys, pictograms are available in DLL Toolbox.

☑ Select from different size main displays and various types of scale keys and soft keys.

☑ Connect up to 2 external precision balances.

☑ Number of weighing platforms:
BX66W: Up to 2 platform (OIML approved)
BX67W: Up to 4 platforms.

Build Your Solution For Your Application

Simplified Assembly For Easy Service

The power supply unit, scale boards, digital I/O and isolation boards are plugged directly to the pins on the Assembly Board in the BX6W Terminal.
Thanks to the Assembly Board, all electronic units are connected to the CPU and cable input connectors without cables.
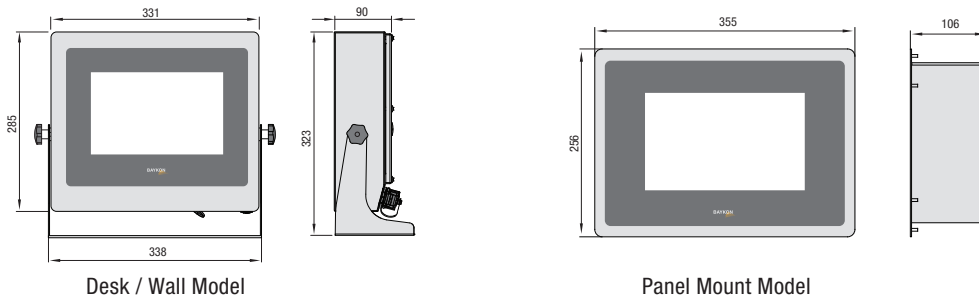
☑ Clear installation and appearance

☑ Reliable operation without cables

☑ Quick and easy servicing

Panel Type Enclosures
Panel type enclosures of BX66W & BX67W are available with stainless steel, IP67 front panel.

Technical Specifications

PC Board

Operating system	Windows® 10 IoT
CPU and memory	Intel® Celeron® N2930(1.83GHz) Processor, 4GB DDR RAM, 256 GB SSD
Display	10" (BX66W) / 15" (BX67W) Active TFT Color LCD, projected capacitive touch panel 1024 x 768 pixels.
Keyboard	Soft keyboard or external USB keyboard and mouse

Scale

EU type approval	OIML R76 approved, ≤ 10000 (class III), ≤ 1000 (class IIII) (ONLY BX66W)
Weighing range	Single-interval, Multi-interval (up to 3 intervals), Multi-range (up to 3 ranges)
Number of weighing platforms	BX66W up to two platforms / BX67W up to four platforms.
AD conversion technic	24 bit Delta-Sigma ratio metric with internal analog and digital filters, up to 1600 conv/s.
Minimum input voltage	0.4 µV/d (Legal for trade), 0.1 µV/d (Industrial usage)
Analogue input range	-5 mV to +18 mV
Internal and display resolution	up to 16 000 000 internal, up to 500 000 divisions display resolution
Number of load cells	Minimum 43 Ω. Up to 8 load cells 350 Ω or 25 load cells 1100 Ω for each scale. Total current max.250 mA.
Load cell cable connection	4 or 6 wire-system, cable length max. 1000 m/mm² for 6 wires connection.

Communication

USB	1 x USB 2.0 (IP67 Female Type A Connector), 1 x USB 2.0 (IP67 Female M12 5P Connector)
RS232	2 x RS232C (IP67 Female M12 8P connector)
Ethernet	10/100/1000Mbps Ethernet (IP67 RJ45 connector)

Software and Functions

Application software	Customer-specific application software. Standard software: Labelling, Formulation, SQC Statistical Quality Control.	
DLL components	DLL components are installed for customers to build their applications.	
Scale setup software	Scale setup software is installed for easy programming and calibration of the scales	
Soft Keys (Configurable)	Tare, clear, zero, print and function keys.	
Calibration	Calibration with test weights, eCal electronic calibration without test weights, Zero adjustment and Gain adjustment.	

Options

Additional scale board	Max. 1 piece additional scale (BX66W) / Max. 3 pieces additional scale (BX67W)	
I/O Board	Digital inputs	Opto-isolated 8 digital inputs, 12 to 28 VDC, 10mA.
	Digital outputs	8 free relay contacts, 250 VAC or 30 VDC, 0.2A.

Environment and Enclosure

Power requirement	90 - 240 V AC, 50 / 60 Hz or 10 - 28 VDC	
Operating temperature	Approved scales - 10 °C to +40 °C; Industrial usage -15 °C to +55 °C	
Relative humidity	Approved scales	80% RH max, non-condensing
	Industrial usage	90% RH max, non-condensing
Enclosure type and material	Desktop & Wall (IP67) and panel mount (IP67 front panel) are stainless steel.	

Dimensions (mm)

BX66W

Desk / Wall Model

Panel Mount Model

BX67W

Desk / Wall Model

Panel Mount Apparatus

BAYKON
Industrial Weighing Systems

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(Specifications are subject to change without notice. 02- 11 / 2023)