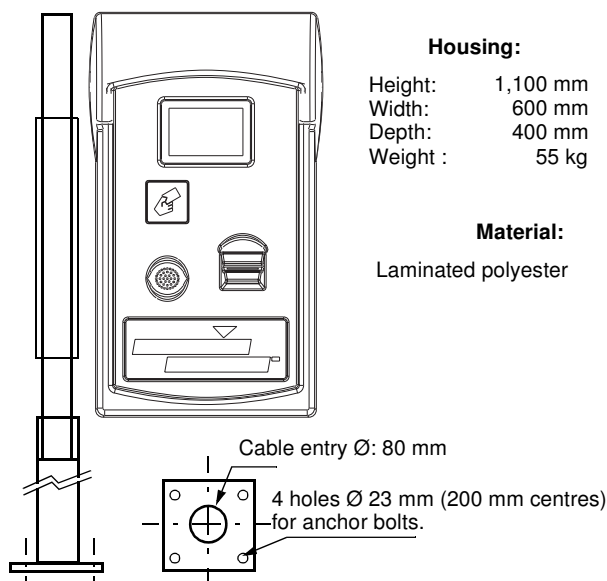


## Physical characteristics

Dimensions (assembly on heavy vehicle or light vehicle post)



### Housing:

Height: 1,100 mm  
Width: 600 mm  
Depth: 400 mm  
Weight: 55 kg

### Material:

Laminated polyester

Screen centre / ground height for mounting post :

	HV	LV
• Min.	2,280 mm	1,450 mm
• Max.	2,870 mm	2,030 mm

## Environmental characteristics

### Mains power supply

- Supply ..... 230 V -15% / +10%
- Frequency ..... 50 Hz ± 1 Hz
- Console power consumption ..... 250 VA

### Temperature range

- Operation ..... - 10 °C / + 40 °C
- Storage ..... - 20 °C / + 60

## Functional characteristics

### Analog Interphone Option

- Single pair telephone cable link.
- Maximum distance between 2 sets ..... 200 m
- Power consumption ..... 3 W

## Technical data

### Card

- 6 inputs to activate by dry contact.
- 6 relay outputs - Rating ..... 250 V - 6 A

### Printer option (continuous printing)

- Thermal printer with guillotine ticket cutting.
- Printing speed : 80 mm/s.
- RS 232 serial interface.
- Paper:
  - 1 copy
  - Max roll diameter ..... 156 mm
  - Paper width ..... 76 mm
  - Total paper length ..... 300 m
  - End of paper detection by optical system (end and near end alarms).
- Guillotine lifetime: 300,000 cuts.
- Mechanism lifetime: 10 km.

### Printer option (print and present)

- Thermal printer with ticket eject.
- Printing speed : 150 mm/s.
- USB interface.
- Paper:
  - 1 copy
  - Max roll diameter ..... 200 mm
  - Paper width ..... 76 mm
  - Total paper length ..... 500 m
  - End of paper detection by optical system (end and near end alarms).
- Guillotine: 1,000,000 cuts.
- Mechanism lifetime: 100 km.

### Badge scanner option

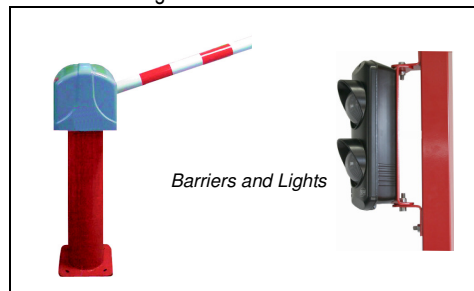
- RFID Industrial Technology 125 kHz (Badge in ISO card format).
- MIFARE RFID (read/write).
- Barcode scanner.

### Interface

- Touch effect colour screen 10.4 inches (400cd/m<sup>2</sup>), (-20°C to +70°C).
- Resistive touch pad.

## Options & Accessories

### Traffic management



### VOIP intercom



### Other options

- ANPR (automatic number plate recognition) camera.
- Photo and video.
- WIFI link.

Other options available upon request



# PRECIA MOLEN™

## BIWIN DRIVER CONSOLE



06/2009

08-10-00-1 FT



## Application

The BIWIN is a modern weighbridge driver console which forms part of a weighing management system. It has an integral "fanless" industrial PC running under Windows XP®.

It enables weighing operations to be carried out without the need for an operator and features automatic identification and printing systems.

The BIWIN has a robust design to provide reliable operation in the harshest of environments. It can operate stand alone or as part of a multi-console networked system.

- Easy and safe to use
- Fully protected against climatic conditions
- Easy access to internal components (maintenance and consumable replacement).

The BIWIN driver console is available with standard applications developed by Precia-Molen:

- Stand alone version,
- Slave version connected to a TCP/IP network running under Microsoft Framework.net.

It can also be used for specific customer applications, which can include:

- A multilingual interface,
- an onboard client / server SQL base,
- an FTP server for file transfers,
- a connection for remote maintenance/support.

## Communication

The BIWIN driver console has different data exchange modes depending on the application.

- USB port to exchange tables and transfer records via USB mass storage device
- Ethernet TCP/IP 100 base T port on RJ45 connector, dhcp compatible, fixed or dynamic IP address.

The communication protocol is compatible with the Precia-Molen range of instrumentation and access control products.

## European conformity

- Directive 2004/108/CEE (amended) on Electromagnetic Compatibility\*.
- Directive 73/23/CEE for Low Voltage equipment.

## Your Authorised Distributor

Non contractual illustrations. Precia-Molen reserves the right to alter the characteristics of the equipment described in this brochure at any time.

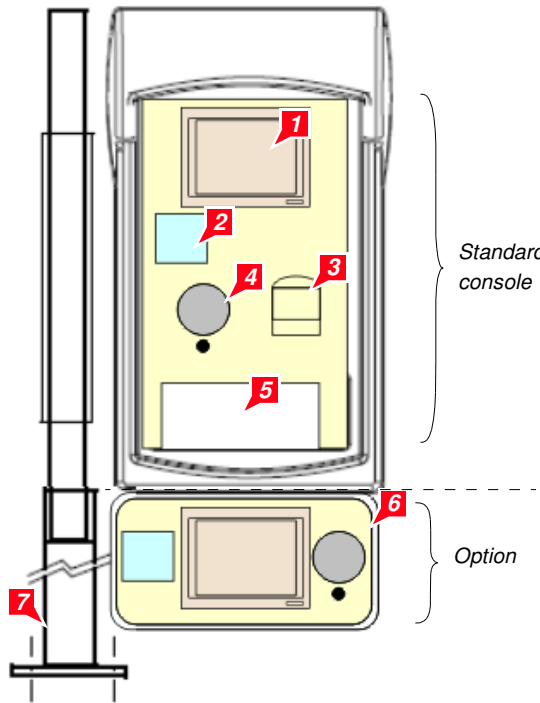
Head office and factory  
BP 106 - 07000 Privas - FRANCE  
Tel. 33 (0) 475 664 600  
Fax 33 (0) 475 658 330  
E-MAIL: webmaster@preciamolen.com  
RCS: 386 620 165 RCS Aubenas

# PRECIA MOLEN™

\* Compliance with this Directive is directly related to the correct operation of the installation.

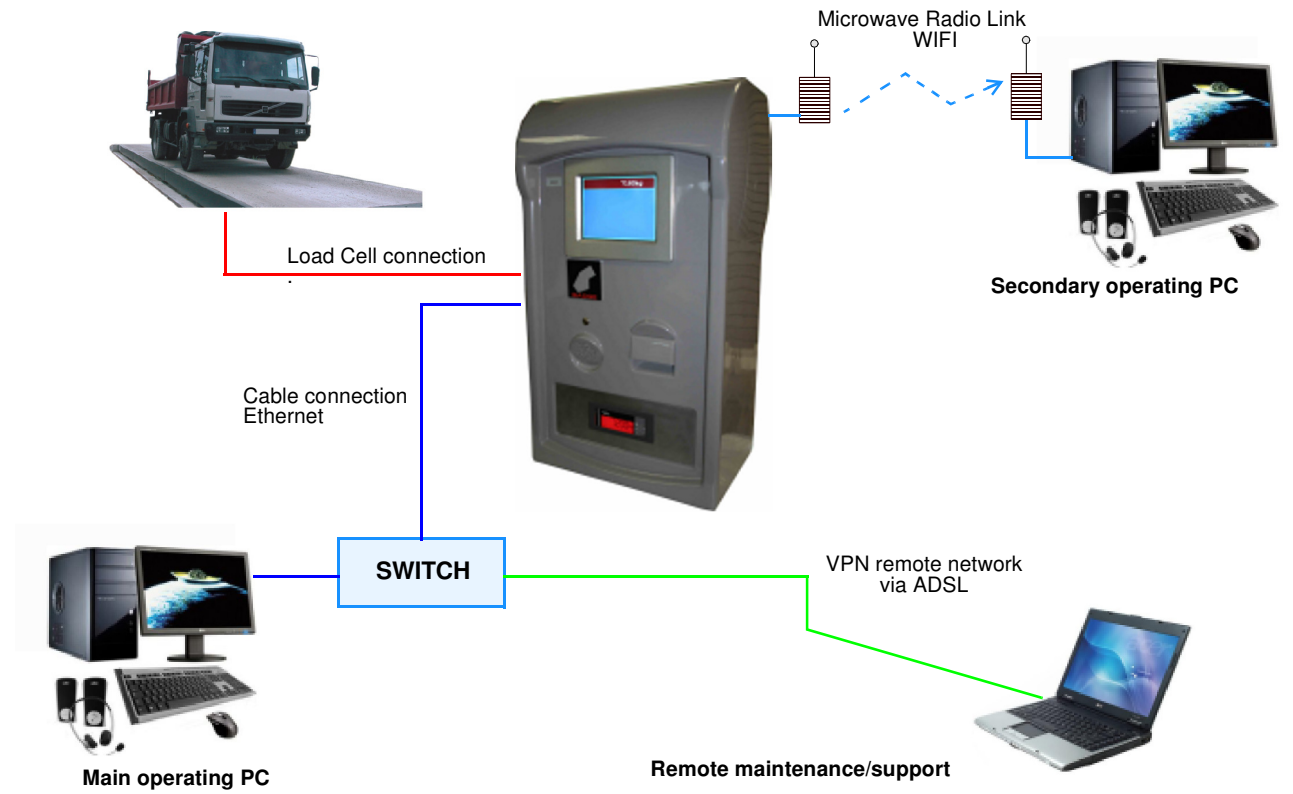
## General description

The BIWIN driver console can include the following elements:

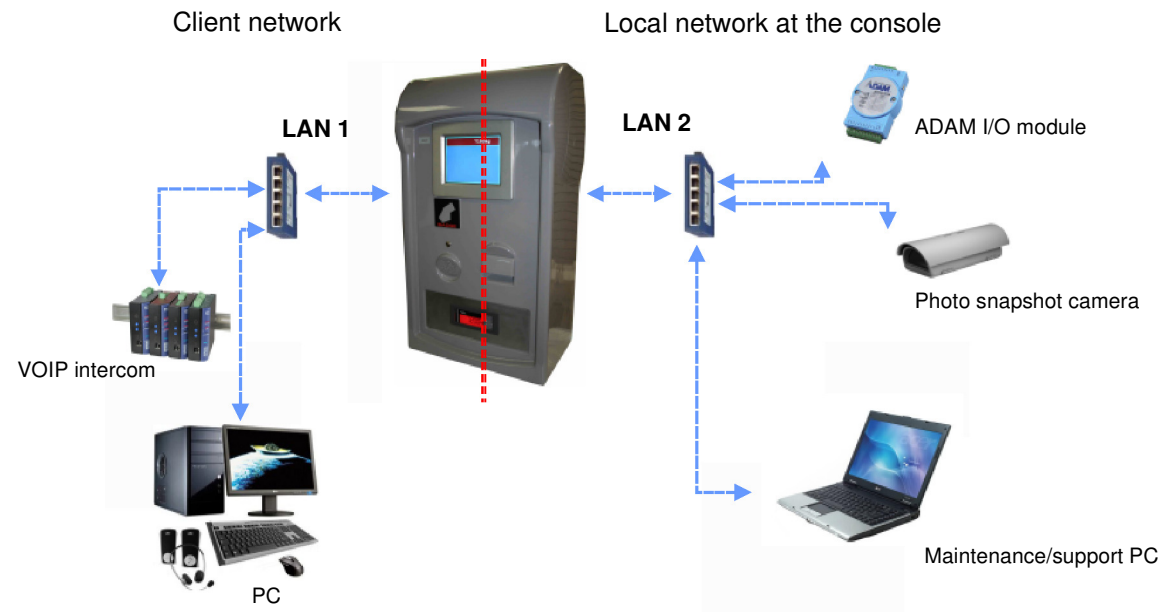


1. Colour touchscreen 10.4"
2. Badge reader option:
  - RFID 125 kHz read
  - MIFARE RFID read/write
  - Barcode
3. Printer option:
  - full ticket issue
  - ticket print and present
4. Intercom option:
  - Analogue
  - VOIP intercom
5. Miscellaneous option:
  - Weight display
  - Barcode scanner, ...
6. Light vehicle housing option
7. Pedestrian or cab height mounting post

## Typical installation



## Network architecture:



## Onboard industrial PC:



- Celeron M UVL 1 GHz/1GB RAM
- Compact Flash 2 GB (2 million write cycles)
- WePOS Operating System (Windows Xp embedded for POS)
- 4 serial ports / 2 Ethernet ports / 7 USB
- Operating T° from - 10° C to + 40° C

## Onboard applications (slave terminal)

The BIWIN console includes a software application allowing for remote maintenance/support

- "BIWINAdmin" application to configure the devices in the terminal.
- "BIWINSimulation" application to simulate all devices to aid support, operator training and maintenance.
- "BIWINHost" application to test the console's functionality from local PC or via remote maintenance/support.
- "BIWINModeDegradé" application to enable stand alone mode operation in case of loss of communication with the host system.

