

# WPP 10

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# USER MANUAL



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Rev. 1.00.1

## 1 General

The PC PANEL WPP10 of Promax srl is an excellent integrated industrial system of operator panel and PC.

The operating system used is Windows 10 IoT Enterprise.

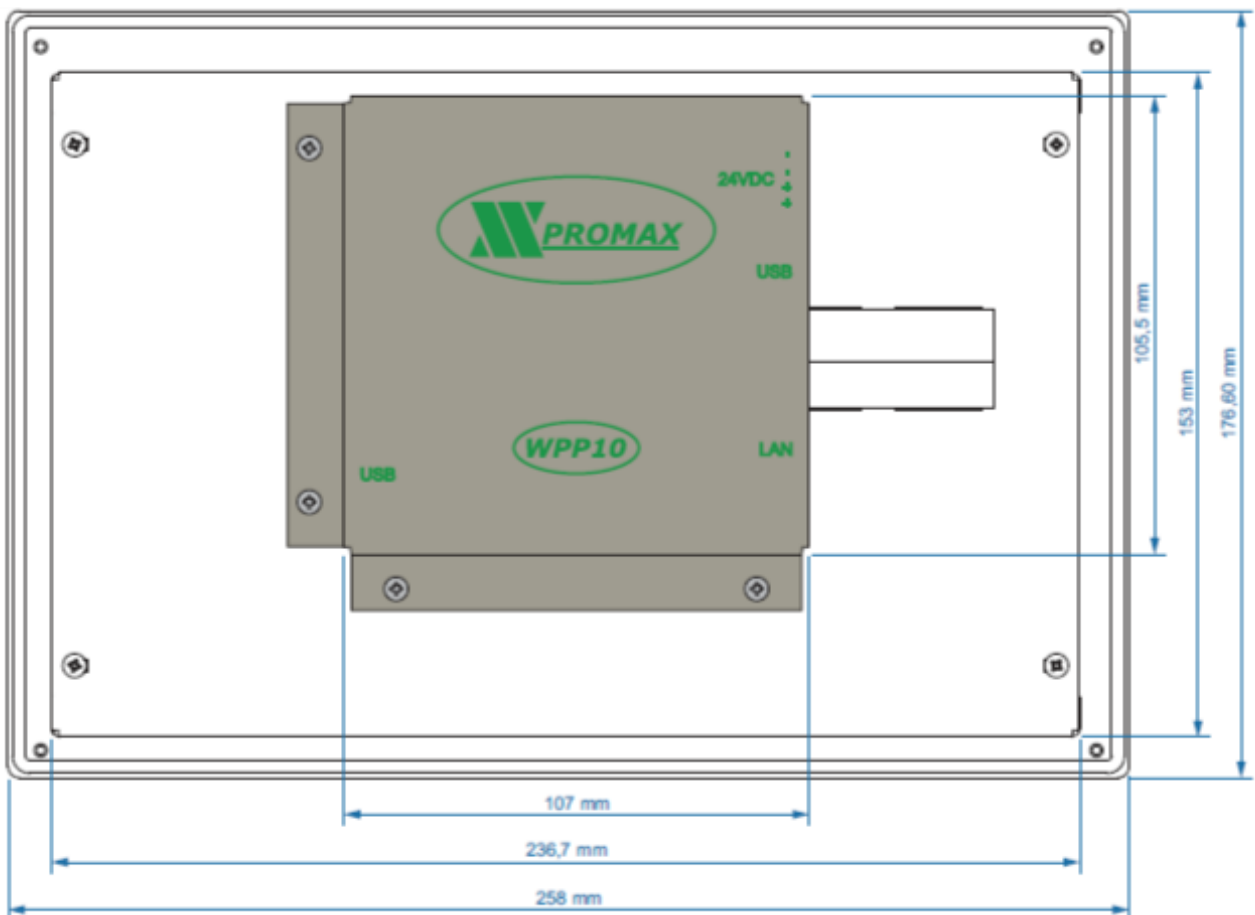
WPP 10	
CPU	Intel® Celeron™ N3350 Dual Core 2.4 Ghz
RAM	2/4 Gb LPDDR4
DISPLAY	10" Multi Touch Wide
STORAGE	eMMC 32 Gb
ETHERNET	2 – Gb ETHERNET
GRAPHICS	Intel® Gen 9 HD/500 HD/505
USB	3 - USB 2.0
S.O.	Windows 10 Enterprise LTSB
Power	24 Vdc – 1,5 A max
TEMPERATURE	From -20° C to +70° C
PROTECTION	IP65 on front
DIMENSIONS (mm)	W258 H177 D67

## 2 Aspect

Front View



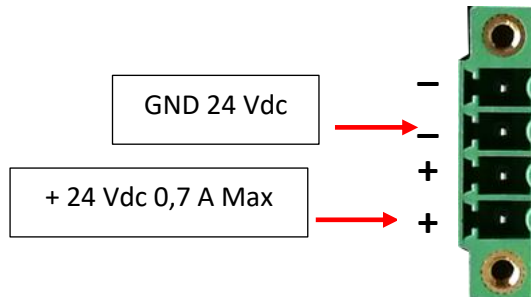
Back View



### 3 Features

#### 3.1 Power Supply

WPP10 needs 24 VDC for power supply



The PIN -- e ++ are connect inside, therefore is sufficient connected only one of these.

The Max current is **1,5 A**, this is considered for full load.

#### 3.2 USB 3.0 Ports

3 USB ports 3.0 on rear panel

In these ports can be connect all compatible devices

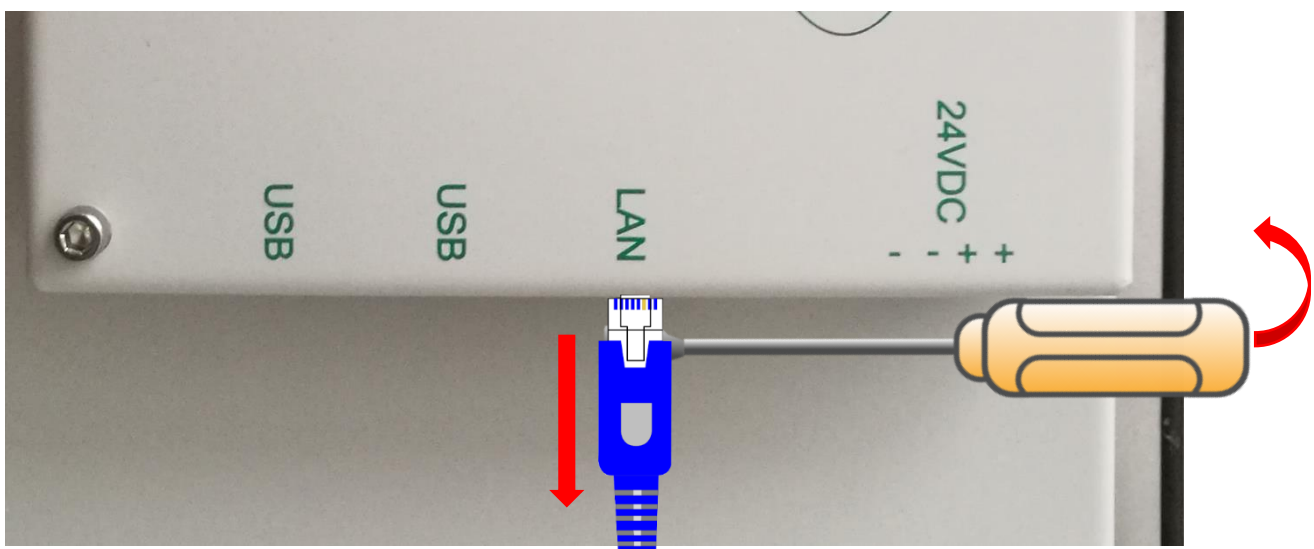
#### 3.3 LAN Gb Ethernet Ports

2 LAN Gb Ethernet ports on RJ45 for a max speed of Gbit/second.

In these ports can be connect all compatible devices

#### **WARNING**

For disconnect the RJ45 cable see the following picture



### **3.4 Storage**

eMMC 32 Gb

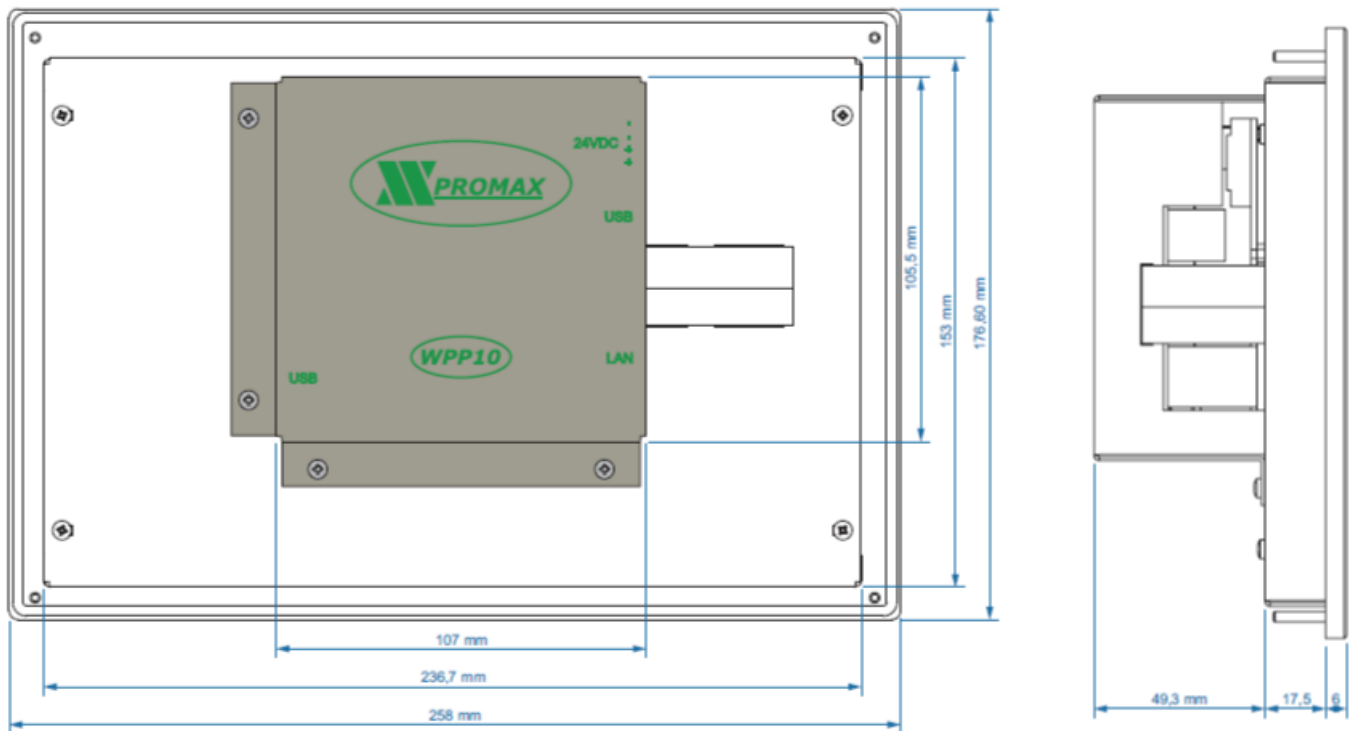
### **3.5 Graphics**

Intel® Gen 9 HD/500 HD/505

### **3.6 S.O.**

Windows 10 IoT Enterprise LTSB with LICENSE

## 4 Dimensions



## 5 Cut



## 6 Notes on the CE legislation

We have two directives about electronic devices, regarding the **WPP 10**: the 2006/42/CE (machine directive) about safety use of the devices and 2004/108/CE about electromagnetic compatibility.

About the first (machine directive), electric/electronic devices must comply the Union harmonisation legislation (Low Voltage Directive), Directive 2006/95/EC (until April 19th, 2016) and Directive 2014/35/EU (from April 20th, 2016) but it can be applied on devices supplied at 50-1000Vac or 75-1500Vdc **WPP 10** works at a voltage of 24Vdc (thus Intrinsically "safe"), so it belongs to "very low voltage" devices (class 0 legislation CEI 11.1), on which it isn't no legislation about.

On electromagnetic compatibility, regarding the Union harmonisation legislation Directive 2004/108/CE (until April 20th, 2016) and Directive 2014/30/EU (from April 20th, 2016), the device can be considered inherently benign in terms of electromagnetic compatibility because its inherent physical characteristics are such that:

a) it is incapable of generating or contributing to electromagnetic emissions which exceed a level allowing radio and

telecommunications equipment and other equipment to operate as intended;

b) it will operate without unacceptable degradation in the presence of the electromagnetic disturbance normally present in its intended environment

Moreover, this device cannot be classified as a "finished appliance with an independent functionality", due the **WPP 10** haven't any use outside a complex electromechanics system, the machine electric board, made by a manufacturer in an industrial ambit and not by a final user.

Thus, it hasn't any certification duty.

PROMAX however, can institute some specific measure as a pre-compliance, in case of particular demands of costumers, regarding the device electromagnetic characterization.

For example, can be made some measure under the CEI EN 61000-6-1 norm (2007 generic norms – residential, commercial and light industrial ambient immunity) or CEI EN 61000-6-1 (2007 generic norms - residential, commercial and light industrial ambient emission)



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