

Xbase Wireless - Tech-Note

Companion of X7 / X10 Wireless Handheld, 2 Ethernet, Safety Outputs

- Secure wireless machine control
- Integrated safety architecture
- High-performance processing
- Advanced connectivity
- Flexible I/O integration
- Designed for industrial environments
- Reliable data integrity and retention
- Compact and robust design



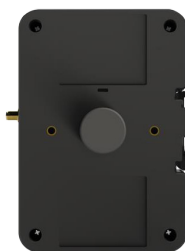
Highlights

The Xbase Wireless is the core connectivity unit designed to pair with wireless versions of X7 and X10 Mobile HMIs, enabling secure communication, real-time control, and integrated safety in industrial applications.

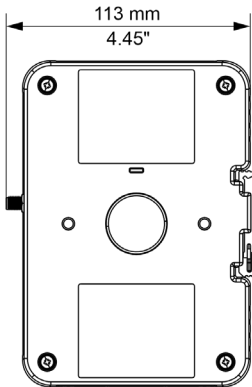
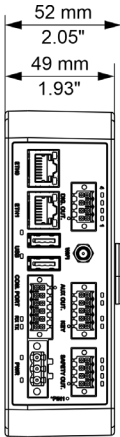
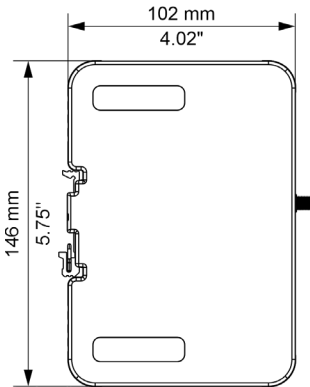
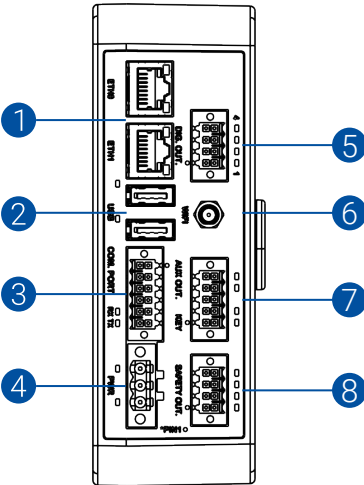
Built on a powerful Linux RT platform, Xbase Wireless combines high-performance processing with robust communication interfaces and certified safety architecture. It acts as the central node between the mobile operator interface and the machine, ensuring deterministic data exchange and safe operation—even in dynamic and demanding environments.

With native support for Wi-Fi Safety Black Channel communication, integrated safety I/O, and a wide range of industrial interfaces, Xbase Wireless provides a scalable foundation for advanced machine control and mobility.

Xbase Wireless - Technical Data



System Resources	
CPU	64-bit Quad Core – 1.6 GHz
Operating system	Linux RT
Flash	4 GB (eMMC pSLC)
RAM	1 GB
FRAM	64 KB
Real Time Clock RTC Back-up	Yes – with rechargeable battery
Interfaces	
Ethernet port	2 (10/100 Mbit)
Safety link wireless	Wi-Fi Safety Black Channel
Serial port	1 (RS-232, RS-485, RS-422)
CAN port	1
USB port	2 (Host V2.0, max. 500 mA)
Status LED	Yes – Bi-color
Auxiliary outputs (open drain) 4x	24 Vdc – 300mA
Key output	Yes
Safety Interface	
Emergency Stop Outputs	2 Channel Output Relay
Enable Switch Outputs	2 Channel Output Relay
Power Management	
Power Supply	24 Vdc (19.2 to 28.8 Vdc)
Isolation	Yes (Test according to EN 61010)
Current Consumption	0.50A Max., Class 2
Environment Conditions	
Operating Temperature	-20°C to +60°C
Storage Temperature	-20°C to +70°C
Operating/Storage Humidity	5-85% RH, non-condensing
Protection Class	IP20 (not UL evaluated)
Dimensions and Weight	
Length	102 + 11 mm (4.02" + 0.43")
Width	146 mm (5.75")
Depth	49 + 3 mm (1.93" + 0.12")
Weight	0.400 Kg
Installation method	DIN



1.

2x Ethernet port (10/100 Mbit)
2.

2x USB port V2.0
3.

COM port
4.

Power Supply
5.

Digital outputs
6.

Safety link wireless (Wi-Fi antenna)
7.

Auxiliary outputs
8.

Safety outputs

Ordering Information

Model	Part Number	Description
Xbase Wireless - YE0001	10500600YE-0001	X7 or X10 Wireless Connection Box