

Introduction

Imber Series is the new Teldat's communications platform focused on providing WLAN connectivity for Smart City, and Industrial environments. With features that are especially important for this sector such as robustness, extended temperature range, connectivity via serial, digital port or ethernet interfaces which includes all the specific communication protocols.

Destacar

- Dual SIM LTE
- SCADA (Modbus, IEC-101/102, IEC-104 gateway)
- WiFi IEEE 802.11b/g/n: AP or Client
- GPS (optional)
- Reduced size: 106 x 106 x 40 mm
- Temp. extended range: -40C° to +75C°
- Easy to use and easy maintenance

Interfaces

Cellular module	4G/3G/2G Fallback
Wi-Fi module	IEEE 802.11b/g/n
Ethernet Ports	1 x WAN + 3 x LAN or 4 x LAN
Serial ports	1 x RS-232 (3 PIN) + 1 x RS-485
GPIO Port	2 x DI + 2 x DO
GPS	Optionally (2 SKUs)





Competitive Advantage

Multiple interfaces Serial RS-232 and RS-458, GPIO PINs, 4 ethernet ports WAN and LAN, celular and WiFi interfaces.

Cost effective All round high performance router with a cost effective price.

Easy Set-Up DIN-Rail included

Multiple range power supply

The device has an input voltage range 9 to 48 VDC

Key Features

• 1 x WAN + 3 x LAN or 4 x LAN Auto 10/100 Mbps to stablize multiple LAN and WAN comunications.

• 2 x SIM slots 2 x SIM slots 1.8V / 3V. SIM failover backup in auto-switch cases as weak signal data or connection fail.

- Serial Port 1 x RS-232 (3 PIN) + 1 x RS-485 Serial comunications in RS-232 and RS-485 procotols using 4 PIN of the terminal block (included with the device).
- Web GUI User friendly monitoring and management thu web GUI.
- DIN-rail mounting Standard mouting for industrial installations.

• 4G(LTE) Bands 4G(LTE)

EMEA: B1/B3/B5/B7/B8/B20, B38/B40/B41 AU&NZ: B1/B2/B3/B4/B5/B7/B28, B40 America: B2/B4/B12/B13 WCDMA: B1/B2/B4/B5/B8/B19 TD-SCDMA: B34/B39 GSM/EDGE: B2/B3/B5/B8

- WiFi IEEE 802.11b/g/n Access Point (AP) Client Access point (AP) and client modes. Wireless Security WPA WPA2 WEP 64/128 AES TKIP. RP-SMA antenna connectors.
- Digital Input and Output 2 x DI + 2 x DO GPIO digital input & outputs using the other 4 PIN of the terminal block.
- IP30 Ingress protection IP30 for industrial environments built in 300g metal housing.
- Extended temperature range Operating Temperature -40 °C to 75 °C



CARACTERÍSTICA TÉCNICA DEL HARDWARE

WWAN Interface

Dual SIM 4G/3G/2G 2 x SMA connectors

Housing

IP30

Operating Temperature -40 °C to 75 °C Dimensions 106mm x 106mm x 40mm

Serial interface

1 x RS-232 (3 PIN) + 1 x RS-485 4 PIN of the included Terminal block Band Rate 300bps to 115200bps

Power Supply

Input Voltage 9 to 48 VDC AC/DC 100-240V adapter.

Wi-Fi Interface

IEEE 802.11b/g/n Access Point (AP) and Client modes Wireless Security WPA WPA2 WEP 64/128 AES TKIP RP-SMA for Wi-Fi antenna connector

Digital input & output

2 x DI + 2 x DO

4 PIN of the included Terminal block Absolute maximum VDC: 36VDC

CARACTERÍSTICA TÉCNICA DEL SOFTWARE

Setup configurations

Web GUI telnet & SSH CLI AT commands

Security

Multiple protocols VPN IPsec OpenVPN

Industrial Protocols

Modbus RTU/TCP IEC 101-104 Modbus to DNP3

Applications

Management Visualization

*Please contact with us to get the full list

CARACTERÍSTICA TÉCNICAS ADICIONALES

EMI Certifications

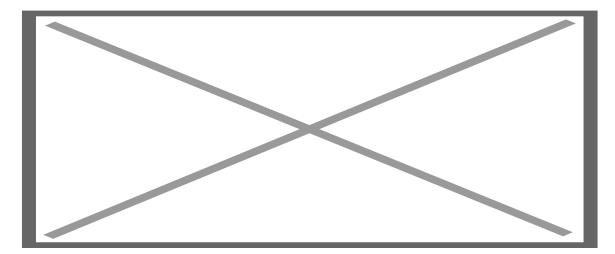
EN 55032:2012 Class B IEC 61000-4-2 ESD: level 4 IEC 61000-4-3 RS: level 3

EMS Certifications

IEC 61000-4-4 EFT: level 3 IEC 61000-4-5 Surge: level 3 IEC 61000-4-6 CS: level 3



Scenarios





Founded in 1985, Teldat is a Spanish company whose mission is to provide companies with valuable solutions for cloud access, remote office communications, cyberse-curity and voice/data connectivity both in the office and in specific environments whether they are industrial, railway, vehicles or public services.

Teldat Group

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