

# LPN<sup>®</sup> Base Server

## Highlights

- Compact and easy mount for DIN-Rails
- Protection class IP20
- LoRa<sup>®</sup> concentrator with 8 channels
- Local IO's
- Optional GPS
- Approx. 10 km range



## RF Performance

- 14 dBm TX-Power
- -137 dBm RX-Sensitivity
- Approx. 10 km Range

## Interfaces

- 4 x analog Input (0-10V or 0-20mA)
- 4 x analog Input (PT1000)
- 4 x digital Input (12 – 24VDC)
- 4 x S0 Input
- 4 x digital 24VDC/0.5A Outputs
- 1 x RS-485
- 1 x RS-232
- 1 x Ethernet
- 2 x USB Host
- 1 x Slot for Micro SD-Card

## Power Supply

- Input voltage +24VDC
- Input current max. 950mA, typ. 550mA

## Display

- 3 x LED
- 1 x LCD

## Mechanic

- Housing: Polyamide (PA 6-GB 30)
- Size (L x B x H) 107 x 90 x 61mm

## Environment

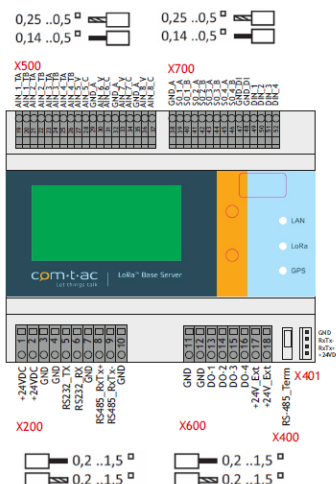
- Protection class IP20
- Operating temperature -5°C to +45°C
- Storage temperature -40°C to 85°C
- Max. humidity 0% to 95% (not condensing)

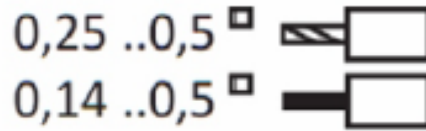
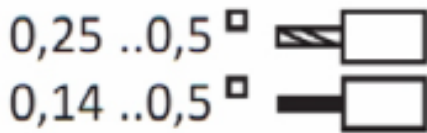
## Reference

- LoRa<sup>®</sup> Base Server technical handbook

## Norm & Safety

- EN 60950-1



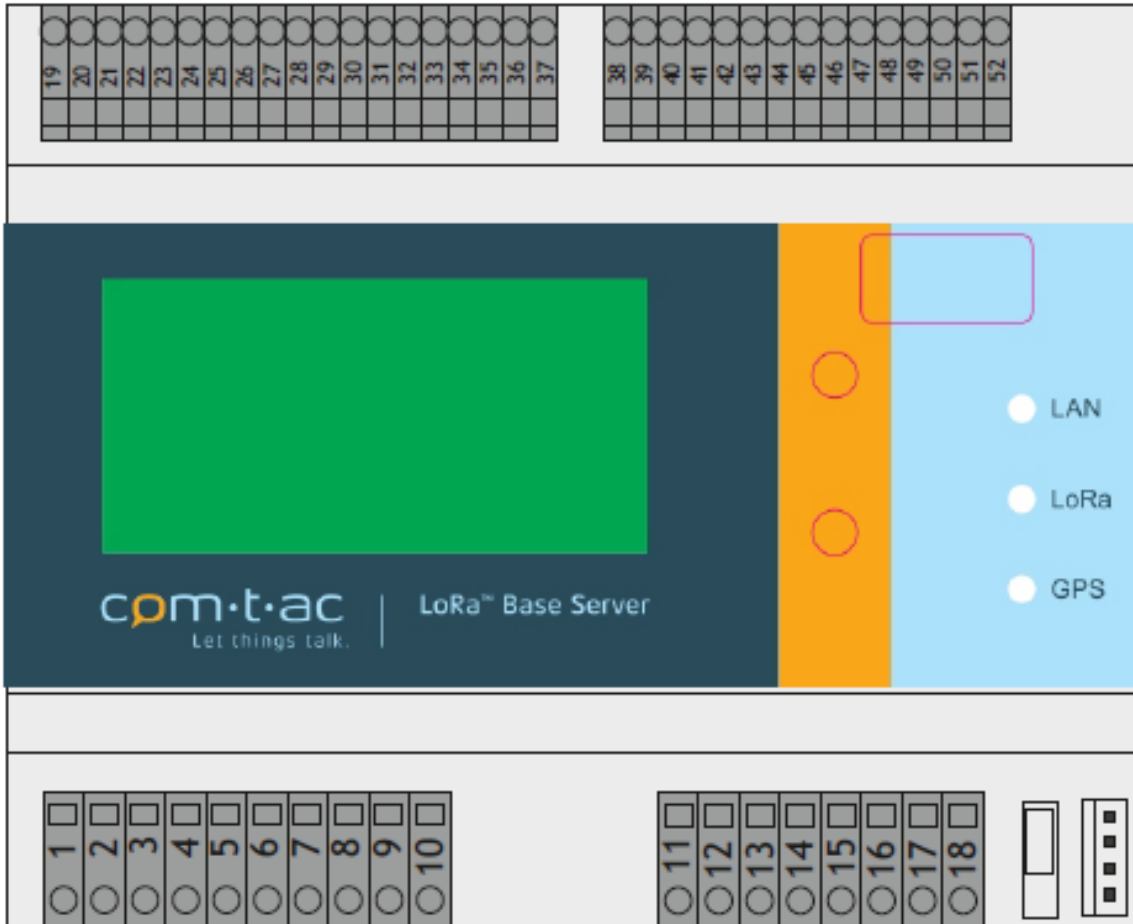


**X500**

TA  
AIN\_1\_TB  
AIN\_2\_TA  
AIN\_2\_TB  
AIN\_3\_TA  
AIN\_3\_TB  
AIN\_4\_TA  
AIN\_4\_TB  
AIN\_5\_V  
AIN\_5\_C  
GND\_A  
AIN\_6\_V  
AIN\_6\_C  
GND\_A  
AIN\_7\_V  
AIN\_7\_C  
GND\_A  
AIN\_8\_V  
AIN\_8\_C

**X700**

GND\_A  
SO\_1\_A  
SO\_1\_B  
SO\_2\_A  
SO\_2\_B  
SO\_3\_A  
SO\_3\_B  
SO\_4\_A  
SO\_4\_B  
GND\_DI  
DIN\_1  
DIN\_2  
DIN\_3  
DIN\_4



+24VDC  
+24VDC  
GND  
GND  
RS232\_TX  
RS232\_RX  
GND  
RS485\_RxTx+  
RS485\_RxTx-  
GND

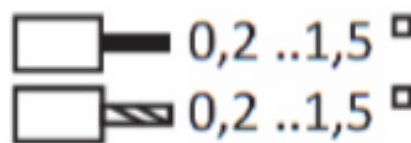
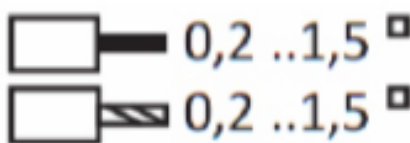
**X200**

GND  
GND  
DO-1  
DO-2  
DO-3  
DO-4  
+24V\_Ext  
+24V\_Ext

**X600**

RS-485\_Term **X401**

**X400**



GND  
RxTx-  
RxTx+  
+24VDC