

# Gateway range extender DIN Wireless M-Bus - FAMP 868

## DEVICE

The Lansen FAMP (Filtered Amplifier) for Wireless MBUS C1,T1 and S1 mode drastically increases the receiver performance of the gateway.

The Lansen FAMP is seamlessly mounted between the antenna and the gateway using standard SMA connector. The device is DIN mountable and can be mounted either vertical or horizontal depending on version. The robust shielded enclosure, high quality components, together with clear LED indications ensures easy installation and long service life.

## INDICATION

POWER	Green LED
INTERFERENCE HIGH	Red LED in band interference higher than -47 dbm
INTERFERENCE MEDIUM	Yellow LED in band interference higher than -37 dbm

## CONNECTOR

ANTENNA /GW	SMA female
MOUNTING	DIN rail clips

## POWER

POWER SUPPLY	External power supply needed
VOLTAGE	DC 12-24V, AC 12-24V
POWER	270 mW (60mA at 12DC)

## GENERAL INFORMATION

STANDARDS	EN 300-220, EN 301-489, EN 60950-1
TEMPERATURE	-40° / +85°
RELATIVE HUMIDITY	None condensing
COLOR	Black and Orange
SIZE (W x H x D)	58 x 80 x 30 mm not including the DIN clip and SMA connector
MATERIAL	Aluminium.

## DEVICES

LAN-WMBUS-FAMP868 Made for smallest horizontal space, as the picture  
LAN-WMBUS-FAMP868-LP Made for mounting the broad side.

## PERFORMANCE

The device amplifies the wanted signal and filters the incoming signal and removes disturbances from 4G, LTE, TV, WLAN etc. By using the Lansen FAMP the wireless range of the gateway can be increased up to 2x or even higher if used in areas where the disturbances are high. The extended filtering of the power ensures that the device will operate optimal independent of power source.

## USAGE

The device is used where signals from mobile phones, mobile basestations, TV etc would interfere with the reception of the desired signal and thus lower the range between meters and the receiver (gateway). The device is also used to extend the range by increasing the sensitivity of the receiver by taking advantage of the exceptional low noise amplifier together with the exceptional high performance low loss filtering.



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