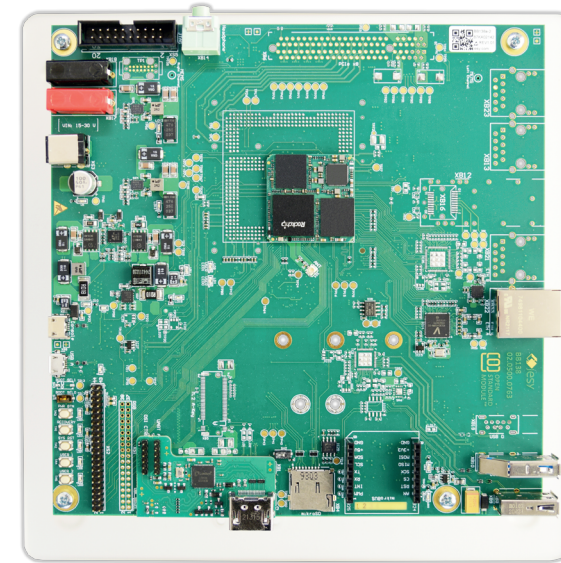# Eval Kit - iesy RPX30 EVA-MI

Open Standard Module™

Technical Concept

- ▶ Dimension: 170 mm x 170 mm

- ▶ Formfactor: Mini-ITX

- ▶ OSM-Modul: iesy RPX30 OSM-SF

- ▶ Power supply: 24 V DC-Adapter or laboratory plug (+15 V to +30V)

- ▶ Power consumption: min. 6 W

- ▶ Temperature range: 0°C to +70°C

- ▶ Features & Interfaces
  - > 1 x Ethernet LAN (10/100M)
  - > 1x USB 2.0 OTG
  - > 1x USB 2.0 Host
  - > 1x USB Debug (COM-Port)
  - > 1x Micro-SD
  - > 3x UART
  - > 1x HDMI
  - > 1x mikroBus Slot for SPI/I2C
  - > PWM, SPI, GPIO, ADC

- ▶ Scope of supply
  - > microSD card with preinstalled iesy demo image
  - > Click board ™ MIKROE-1200 (I2C EEPROM
  - > Click board ™ MIKROE-4422 (SPI EEPROM
  - > Micro USB for debug port and USB OTG

About OSM™

The Open Standard Modules™ specification was adopted by the SGeT e.V. in 2019. The new standard was developed to meet future requirements in terms of **flexibility**, **scalability**, but also **costs**. OSM™ solder-down modules can be **individually adapted** to the respective customer requirements. For this purpose, the individual modules can be made **available to the SMT process** by means of tray & reel packaging and processed automatically. The OSM™ series includes in total four different form factors.

iesy.com/osm