STANDARD SOLUTION

iesy i.MX8M Mini OSM-SF

OSM™ - The new standard for solder-on computer modules

Technical Data

- Processor: i.MX8M Mini Quad Cortex-A 53 Quad Core
- Clock rate: 1.6 GHz
- RAM: 1 GByte LPDDR4
- Flash memory: 16 GByte e-MMC 5.1
- Dimension: 30 mm x 30 mm
- Footprint: OSM Size-S Land Grid Array (LGA), Solder-on modules with 332 contact points
- Power supply: 5 V +/- 5 % via LGA contacts
- Power consumption: <5 W (typ.)
- Temperature range:
  - > Operating: -40 °C to +85 °C
  - > Storage: -40 °C to +85 °C
- Software: Yocto based BSP

- **Features & Interfaces:**
  - > 1 x LAN 10/100/1000 (RGMII)
  - > 1x PCIe x1
  - > 1x USB 2.0 Host
  - > 1x USB 2.0 OTG
  - > 1x MIPI DSI (4 Lanes)
  - > 1x MIPI CSI (4 Lanes)
  - > 1x SD-Card, 1x SDIO/MMC (x8)
  - > 1x QSPI, 1x SPI, 4x UART
  - > 2x I2C, 1x I2S (2x TX/RX)
  - > 24x GPIO, 3x PWM
  - > 1x JTAG

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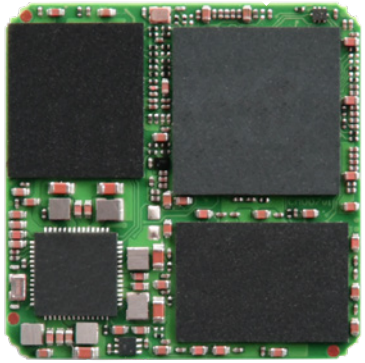
iesy i.MX8M Mini OSM-SF
i.MX 8M Mini / Nano (TBD)



Features

The Size-S with its 30 mm x 30 mm size and i.MX8 processor has digital & analog video interfaces, several Gbit LAN ports and a Camera Serial Interface (CSI). Like all Open Standard Modules™ the Size-S also has the option of responding flexibly to requirements. An open source Linux based on Yocto is used as operating system. The data is provided via a Git repositor

iesy is a specialist for embedded computing solutions.. Driven by our passion for technology we have been developing electronic systems since 1966. With a team of experts in soft- and hardware development, manufacturing and device testing, we are an ideal outsourcing partner for the development, prototyping, series production and maintenance of customer-specific electronic products. **This is simple. This is iesy.**