



Our Products > OSD32MP1 Family > [OSD32MP1-RED](#)

[OSD32MP1-RED Features](#) |
 [Availability](#) |
 [Design Files](#) |

OSD32MP1-RED

A Full Featured Development Platform

GET NOTIFIED WHEN AVAILABLE

REQUEST A SAMPLE



The OSD32MP1-RED is a full featured Reference, Evaluation and Development platform for the **STM32MP1** based SiP, the **OSD32MP15x**. It provides access to a number of standard communication interfaces like WiFi and Bluetooth, 1Gb Ethernet, and CAN. It supports HDMI or DSI displays and has a connector for a camera. The OSD32MP1-RED expands easily by providing connectors that are compatible with Raspberry Pi, MikroElektronika mikroBUS™ Click, and STMicroelectronics Motor Control Header.

The on board eMMC comes preloaded with an Opensource Linux Distribution allowing you to begin development straight out of the box.

With its communication interfaces, peripherals, and expansion capabilities, the OSD32MP1-RED is a perfect platform for quickly developing IOT, high-end HMI, or real time control applications.

Related Products:

OSD32MP15x – System in Package Module for the STM32MP1

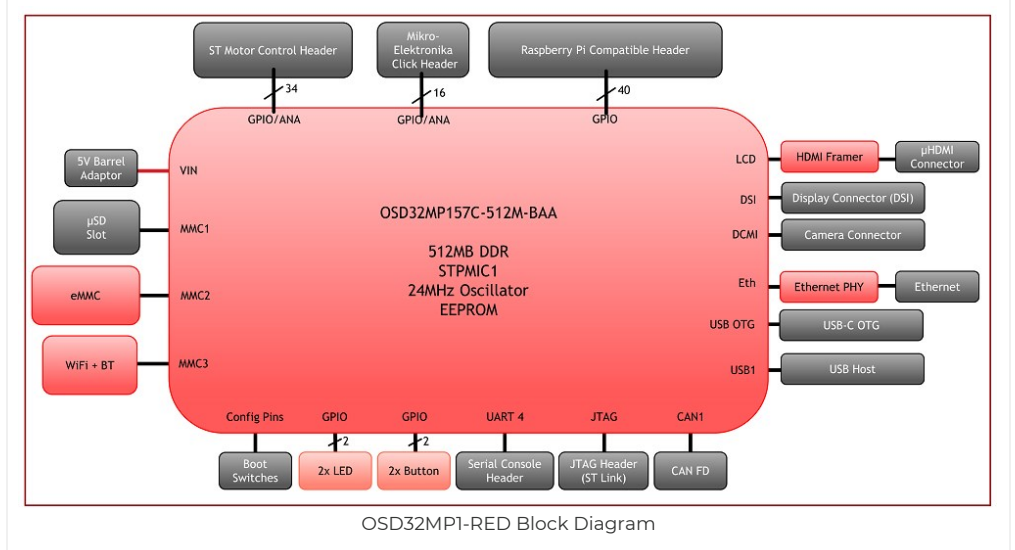
OSD32MP1-BRK – Flexible Prototyping Platform for the OSD32MP15x SiP

OSD32MP1-RED Features

- Full Featured Reference,

Evaluation, Development Platform

- OSD32MP157C-512M-BAA
 - STM32MP157C Dual Arm® Cortex® A7 + M4
 - 512MB DDR3 Memory
 - STPMIC1A Power Management
 - EEPROM
 - Oscillator
 - Passives
- Connectivity
 - WiFi/Bluetooth
 - 10/100/1000 Ethernet
 - CAN FD
 - USB Host
 - USB-C OTG
 - UART
 - JTAG (STLink)
- Memory
 - µSD Card
 - eMMC
- Display
 - HDMI
 - DSI
- Camera
- Expansion
 - Raspberry Pi Compatible Header
 - MikroElektronika Click Header
 - Motor Control Header
- 4 Layer Design



Availability

Product Number	Description	Price	Order From
OSD32MP1-RED	Full Featured Reference, Evaluation, Development Platform for the OSD32MP15x System in Package	TBD	GET NOTIFIED WHEN AVAILABLE

Design Files

[OSD32MP1-RED Schematics \(PDF\)](#) | Version: 1.1 | October 28, 2020

[OSD32MP1-RED Design Files \(Eagle/ZIP\)](#) | Version: 1.1 | October 28, 2020

Note: These design files are considered to be preliminary until the OSD32MP1-RED has been released to production. They are provided for information purposes only.



CALL

512-861-3400



MAIL

Contact Us



FIND US

Austin, TX



CAREERS

@Octavo

Octavo Systems LLC all rights reserved

OCTAVO is registered in the U.S. Patent and Trademark Office. OSD, C-SiP, and the Octavo Logo are trademarks of Octavo Systems LLC.