

AVENGER96

a 96Boards CE compliant board based on the first STM32 MPU.

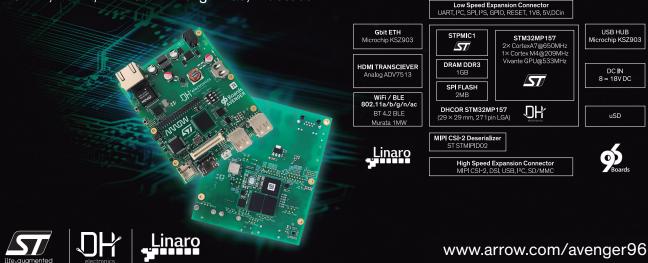
The STM32MP157 is a highly integrated multi-market system-on-chip designed to enable secure and space constraint applications within the Internet of Things. Avenger96 board features dual Arm® Cortex®-A7 cores and an Arm® Cortex®-M4 core. In addition, an extensive set of interfaces and connectivity peripherals are included to interface to cameras, touch-screen displays and MMC/SD cards. It also fully supports wireless communication, including WLAN and BLE.

FEATURES

- > Fully mainlined Open Source Linux® Distribution supported by Linaro™
- Full STM32CubeMX integration makes the heterogeneous system design fast and easy
- > Access to hundreds of add-on cards from 96Boards
- Easy System portability thanks to the transposable SoM from Avanger96 towards final PCB product
- > Reduced time-to-market and low BoM implementation
- > Highly integrated ST PMIC saving PCB area

PARAMETERS

- > Dual Arm® Cortex®-A7 650MHz, Arm® Cortex®-M4 209MHz
- > 3D GPU Vivante 533MHz OpenGL ES 2.0 compatible
- > 1GB DRAM DDR3L @ 533MHz, eMMC 8GB flash
- Interfaces: Gigabit Ethernet, I²C, SPI, I²S, MIPI-CSI2, MIPI-DSI, USB, UART, HDMI, WiFi 802.11b/g/n/ac, Bluetooth® 4.2 LE



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