



Flexible structure, easy to adapt to your project,
short time-to-market, rapid prototyping.

Maximum flexibility and simplicity

- › The byteDEVKIT-STM32MP1 enables you to work on your own projects while shortening time-to-market significantly. It is engineered for a huge variety of applications and the flexible structure allows easy implementations of even profound changes. Furthermore, it offers maximum flexibility and simplicity. The byteDEVKIT-STM32MP1 is available with the complete STM32MP1-family:
 - STM32MP151
 - STM32MP153
 - STM32MP157

Plenty of possibilities

- › The byteDEVKIT-STM32MP1 includes the base board that features a strong array of interfaces for a variety of applications:
 - 1x 1Gbit Ethernet RJ45
 - 1x microSD Slot
 - 1x USB Host Type A
 - 1x USB OTG MicroUSB
 - 5-inch MIPI Touchscreen-Display
 - 40 PIN: GPIO Header RaspberryPI Compatible
 - 60 PIN: Extension-Header with GPIO, SPI, I2C, ANG, 3.3V, 5V

Low consumption & high performance

- › The ARM Cortex CPUs from STMicroelectronics are on the cutting edge of their industry thanks to the combination of functional integration, performance and extremely low power consumption.

Easy to adapt to your project

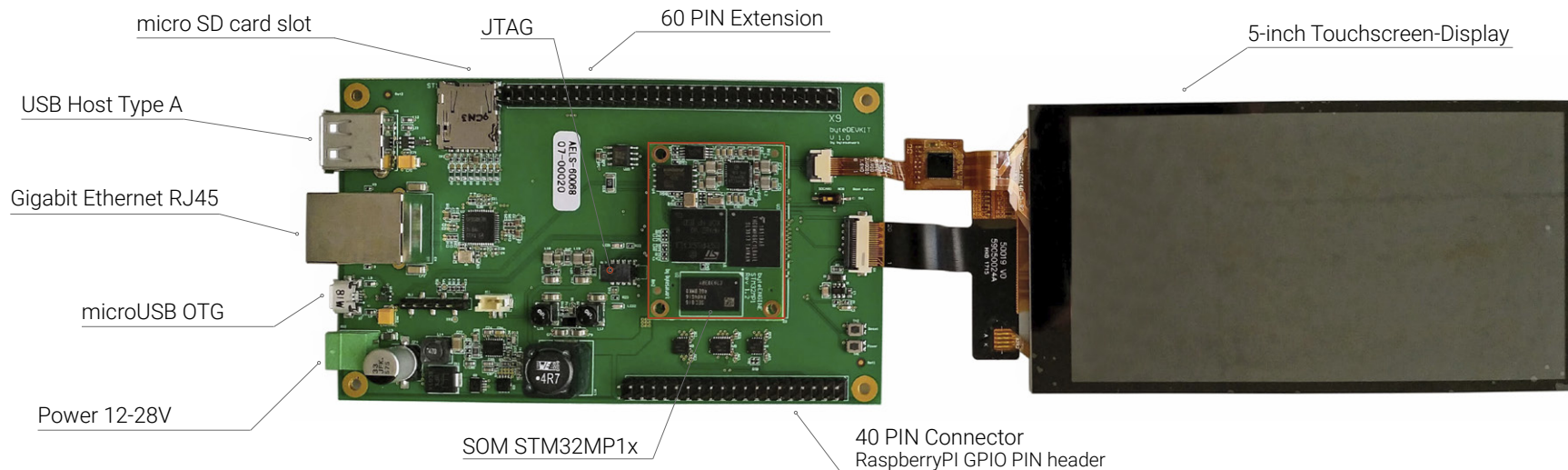
- › Rapid prototyping is easy thanks to the 60 PIN header. In addition to it's RaspberryPI GPIO 40 PIN header the byteDEVKIT provides a huge variety of interfaces such as I2C, SPI, CAN, UART, USART, PWM, GPIO, etc on it's 100 PINs. Fast prototyping made easy.

Two in one

- › The SOM STM32MP1 features a combination of dual Cortex-A7 and Cortex-M4 with full access to the peripherals which is one-of-a-kind and enables a versatile range of designs. You can use a PIN in Cortex M4 for your real-time application or the same PIN in embedded Linux on Cortex-A7.

Quality which endures

- › Our Swiss standard pays off. We only install components to the byteDEVKIT that will be still available in ten years. The byteDEVKIT is engineered with the focus on robustness and longevity.



DEVKIT SPECIFICATION

CONNECTORS	1x 1Gbit Ethernet RJ45
Hardware Slot	1x microSD Slot
Device Slot 1	1x USB Host Type A
Device Slot 2	1x USB OTG MicroUSB
Display/Touch	5,0 inch MIPI Touchscreen-Display
Connectors 40 PIN	GPIO Header RasperryPI Compatible
Connectors 60 PIN	Extension-Header with GPIO, SPI, I2C, ANG, 3.3V, 5V

STM32MP1x SPECIFICATION

CPU Cortex-M4	single 209 MHz
CPU Cortex-A7	STM32MP151, STM32MP153 or STM32MP157 @650/800 MHz single or dual
Memory	128 MB to 1028 MB
Flash eMMC	4 GB to 64 GB
SPI-NOR	16 to 128 MB
Temperature	-40° to +85° Celsius
Power	5 V, 2 Watts
Dimensions	40 x 30 x 5 mm



SOM-Versions	STM32MP151	STM32MP153	STM32MP157*
Cortex-A7	Single	Dual	Dual
Cortex-M4	Yes	Yes	Yes
GPU	No	No	Yes
Display	TFT	TFT	TFT/DSI
CAN	No	Yes	Yes

*Default Version with 512MB RAM & 8GB eMMC.

Ready to start and use

The byteDEVKIT package comes ready to start building, which includes a powersupply, a serial console and a microSD card with pre installed embedded Linux. As a result, you benefit from rapid prototyping, maximum flexibility and a very short time-to-market.

Ordering Info

- > For ordering please use the following code:
- > with Display:
 - byteDEVKIT-STM32MP157C-650-R512-E4-D5
- > without Display:
 - byteDEVKIT-STM32MP157C-650-R512-E4

byteDEVKIT[SOMx]_[SPEED]_R[xxx MB]_[E GB]_[D inch]

[SOMx]:	STM32MP151C, STM32MP153C, STM32MP157C
[SPEED]:	650/800 MHz
R[xxx MB]:	RAM size: 256, 512, 1024
[E GB]:	eMMC FLASH size: 4, 8 GB
[D inch]:	Display size (inch): 5