

FEATURES

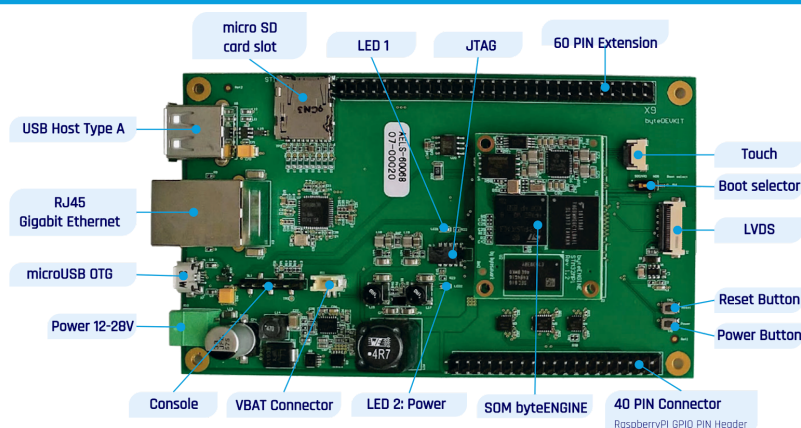
This DEVKIT is designed for a wide variety of use cases. The flexible structure allows to implement complex changes in a simple manner with an extremely short time-to-market, enabling rapid prototyping. Test and implement your project as quickly as possible using our high performance system on modules of the ST STM32MP1 and NXP i.MX 8M Mini CPU family.

- Compatible with our ST STM32MP1 and our NXP i.MX 8M Mini System on Modules
- High adaptability and flexible connectivity thanks to a broad range of interfaces

TECHNICAL DATA SOM byteENGINE

	STM32MP1x	IMX8M Mini
CPU	Up to dual core ARM® Cortex® A7 of ST STM32MP1x CPU Family	Up to quad core ARM® Cortex® A53 of NXP i.MX8M Mini CPU Family
Co-CPU	Cortex® M4 MCU 209 MHz	Cortex® M4F MCU 400 MHz
Memory	512 MB to 1024 MB	512 MB to 4096 MB LPDDR4
Flash eMMC	up to 64 GB	up to 64 GB
Temperature	industrial: -40 to +85° C , consumer: 0 to 85° C	industrial: -40 to +85° C , consumer: 0 to 85° C
Power	5.0 V, max. 2 W, typical 1 W	5.0 V, max. 4 W, typical 2 W
Dimensions	40 x 30 x 5 mm	40 x 30 x 5 mm

CONNECTORS OVERVIEW



TECHNICAL DATA byteDEVKIT

Connectors	1x Gigabit Ethernet RJ45
Hardware Slot	1x microSD Slot
Device Slot 1	1x USB Host Type A
Device Slot 2	1x USB OTG microUSB
Display and Touch	5-inch LVDS Touchscreen Display
Connector 40PIN	GPIO Header, RaspberryPi Compatible
Connector 60PIN	GPIO, SPI, I2C, ANG, 3.3V, 5V

byteDEVKIT CONTENT

The byteDEVKIT includes:

- Power Supply
- Console Cable
- Retention Levers to unmount the SOM
- 5-inch LVDS Touchscreen Display (optional)
- SD-Card with pre-installed embedded Linux



Address

bytesatwork
Technoparkstrasse 7
CH-8406 Winterthur
Switzerland



Phone

Phone: +41 52 213 79 79



Email

support@bytesatwork.ch



Website

www.bytesatwork.io



Help

bytewiki.readthedocs.io



Further Product Information

More byteDEVKITs

