

VK-RA6M5

ver. 2.1

ARDUINO UNO rev3 form factor
Renesas Electronics ARM Cortex-M33 MCU

R7FA6M5BH3CFC

- 200MHz, 176pins LQFP

512 KB OnChip RAM

- Up to 128 MB OnBoard Octa RAM

2 MB OnChip FLASH

- 8KB OnChip Data FLASH
- 16MB OnBoard QSPI FLASH
- Up to 256 MB OnBoard Octa FLASH

1 x USB 2.0

- USB, **FS** Function micro Type **AB** conn.

Connector for External Battery (3V)

Micro SD

- SDHI

User interface

- 2 LEDs (Red & Green)
- 2 Push buttons

Communication Ports

- USB, CAN FD, RJ45, RS485

Exp. Ports

- ARDUINO UNO form-factor (rev3)
- 3 Extra header (**10 + 20 + 8** I/O RA6M5 pins)

Debug ports:

- ARM SWD 2x5 pins, Coresight™
- SEGGER J-Link OB Debugger (GDB) / ARM DAPLink (Composite CDC, MSC, HID)

DC IN +(5 ... 24)V

- Consumption 500mA max

Operating temperature:

- -40 ... +85°

Dimensions:

- 53 mm x 68 mm
- Mounting holes 4 x Ø3,2 mm

