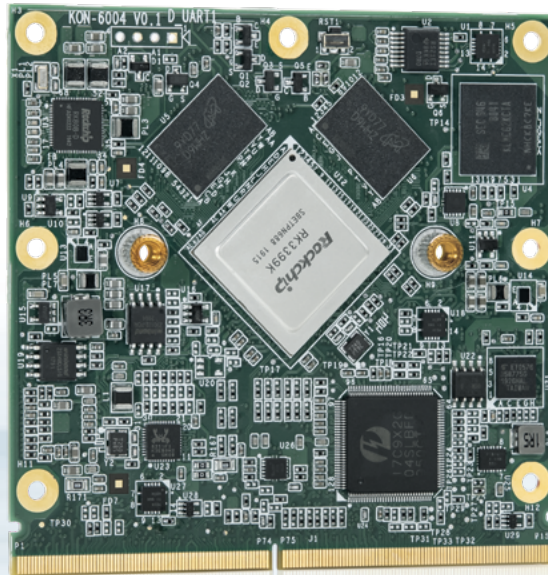


SMARC-fA3399



Rockchip high performance full size SMARC™ module

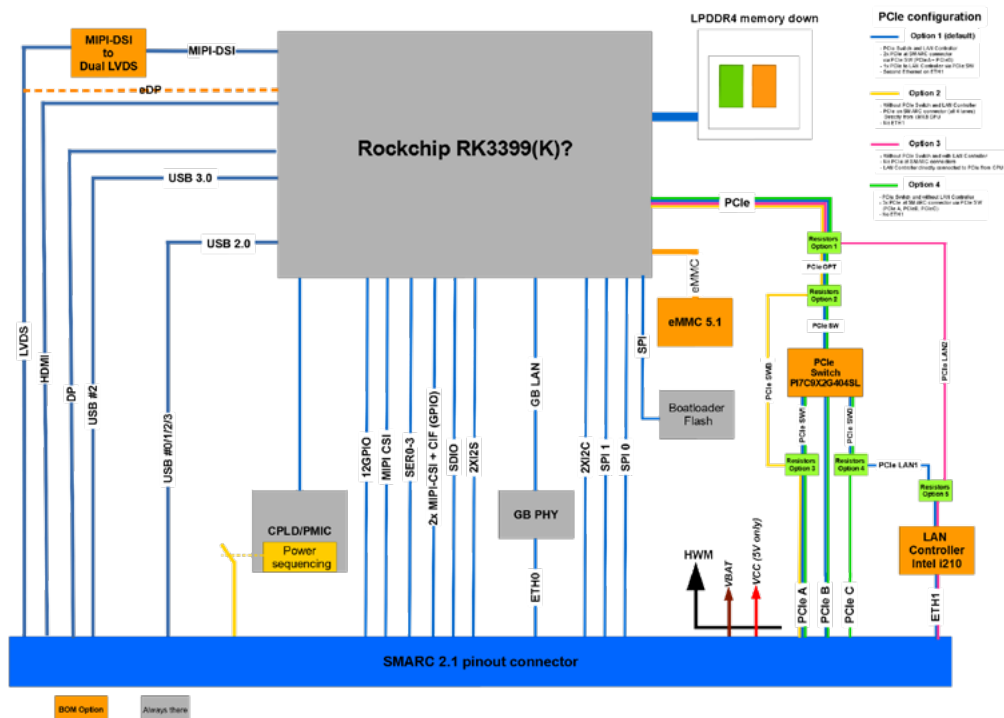
- ▶ Based on RK3399(K) from Rockchip
- ▶ Up to 8 GByte LPDDR4 memory down
- ▶ 3D Graphics Engine: Arm® Mali-T860MP4
- ▶ Extended commercial temperature range
- ▶ 2x Gigabit Ethernet

POSSIBILITIES START HERE

TECHNICAL INFORMATION

COMPLIANCE	SMARC 2.1
DIMENSIONS (H x W x D)	82 x 80 mm
CPU	Rockchip RK3399K
CHIPSET	-
MAIN MEMORY	Up to 8 GByte LPDDR4 memory down
GRAPHICS CONTROLLER	Mali-T860 MP
ETHERNET CONTROLLER	internal and Intel® I210
ETHERNET	10/100/1000 MBit Ethernet
STORAGE	-
FLASH ONBOARD	Up to 64 GByte eMMC 5.1
PCI EXPRESS® SUPPORT	Up to 3x PCIe
PANEL SIGNAL	1x LVDS, HDMI, DP
USB	2x USB 3.0 + 4x USB 2.0
SERIAL	4x serial interfaces (2x RX/TX only)
OTHERS	I ² S, 2x I ² C, 2x SPI, SDIO, 12x GPIO
FEATURES ON REQUEST	w/o 2nd LAN w/o PCIe switch eMMC 5.1 size w/o USB Hub eDP instead of LVDS
BOOTLOADER	Uboot
OPERATING SYSTEM	Linux
POWER SUPPLY	5 V
TEMPERATURE	Extended commercial (-20 °C - 60 °C) on request: commercial (0 °C - 60 °C)
HUMIDITY	93 % relative Humidity at 40 °C, non-condensing (according to IEC 60068-2-78)

BLOCK DIAGRAM



▶ VARIANTS

PART NO.	CPU	MEMORY	FLASH	ETH PHY	DISPLAY	OP. TEMPERATURE
51015-0464-18-6	RK3399K	4 GByte	64 GByte	2x 1 GByte + PCI Bridge	LVDS, HDMI, DP++	-20 °C - 60 °C

▶ CARRIER

ARTICLE	PART NO.	DESCRIPTION
SMARC EVALUATION CARRIER 2.0	51300-0000-00-0	SMARC Evaluation Carrier for SMARC modules according to the SMARC 2.0 standard (without SMARC module)

▶ COOLING

ARTICLE	PART NO.	DESCRIPTION
HSP SMARC-fA3399	51015-0000-99-1	Heatspreader for SMARC-fA3399
SMARC PASSIVE UNI COOLER (W/O HSP)	51099-0000-99-1	SMARC Passive Uni Cooler

▶ ACCESSORIES

ARTICLE	PART NO.	DESCRIPTION
SMARC MOUNTING KIT	51117-0000-00-0	Mounting Kit for SMARC modules

▶ GLOBAL HEADQUARTERS

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