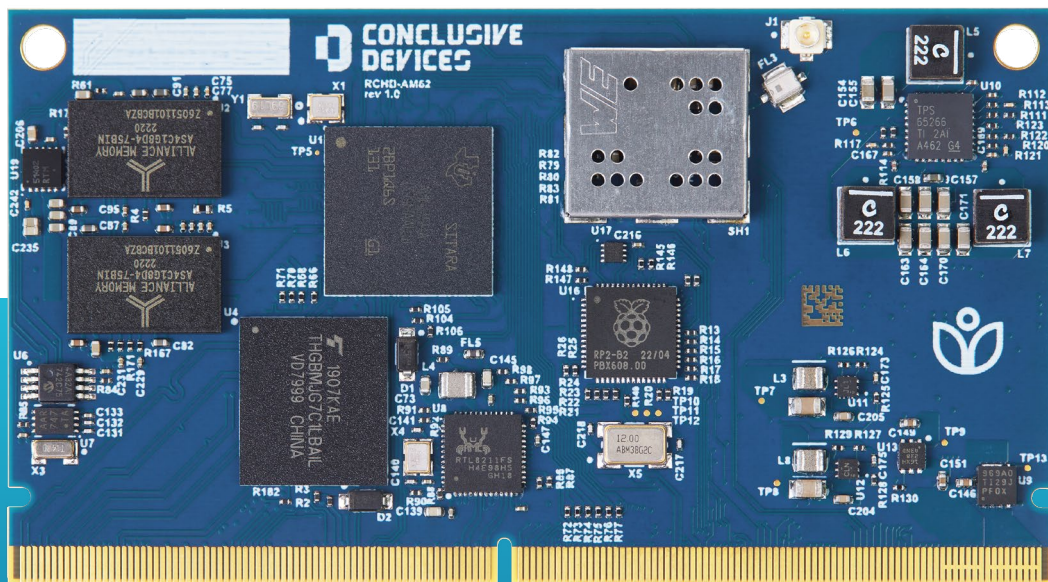# RCHD-AM62
Industrial SoM

RCHD-AM62

- TI AM62x Sitara™ with up to 4 Cortex®-A53 Cores
- Up to dual 1080p Video Output and 3D Graphics Acceleration
- Dual 1 Gbit/s Ethernet, Wi-Fi 6, and Bluetooth 5.4 Connectivity
- Up to 1080p video input, industrial I/O interfaces
- Single 3.3 V power input for straightforward integration

ORCHID

RCHD-AM62
Industrial SoM

RCHD-AM62 Specifications

SoC	Texas Instruments AM623x/AM625x
CPU Architecture	Up to 4x Arm® Cortex®-A53 1400 MHz Single core Arm® Cortex®-M4 Single core Arm® Cortex®-R5
GPU	3D Graphics Processing Unit OpenGL ES 3.1, Vulkan 1.2
Memory	DDR4 SDRAM (512 MB, 1 GB, 2 GB, 4 GB, 8 GB)
Ethernet	2x 1 Gbit/s
Mass storage	eMMC (4 – 64 GB) EEPROM (32 KB)
USB	2x USB 2.0 DRD (Dual Role Device)
Wireless connectivity	2.4/5 GHz Dual-Band Wi-Fi® 6 IEEE 802.11ax Bluetooth® 5.4 IEEE 802.15.4 Zigbee / Thread / Matter
Other Interfaces	3x SPI 5x UART 3x ePWM 3x CAN-FD 3x eCAP 4x I2C 3x eQEP QSPI/OSPI
Security features	HSM (Secure Boot), TRNG, SHA, AES, SKA, MD5, DRBG, QSPI/OSPI
Hardware accelerators	PRU-SS
Debug	USB Micro-B 2.0 console port on eval kit JTAG
Software support	Linux 6.5 & 6.1 U-Boot Yocto Buildroot Ubuntu FreeBSD (on request)
Power supply	3.3 V
Dimensions	82 x 45 mm

About Conclusive Engineering

We provide reliable development and consulting services for various embedded platforms, assisting enterprises and manufacturing companies in optimizing their processes through tailored embedded system services, products, and hardware solutions.

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