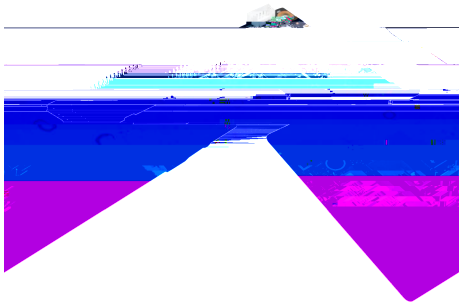
JES-R761 Rockchip RK3576J 3.5

JES-R761 3.5 Rockchip RK3576J SoC 64 ARM 6 TOPS NPU HDMI eDP LVDS MIPI-DSI MIPI-CSI & 2x GbE 2x CAN 6x USB 6x COM 8x GPIO I/O WiFi BT 5G/4G SSD AI Android Linux JES-R761 -40~85



- Rockchip RK3576J SoC
- 4x Cortex-A72 + 4x Cortex-A53 + GPU + 6 TOPS NPU
- 4/8/16GB LPDDR5X + 32/64/128GB eMMC
- 1x HDMI 1x LVDS/eDP 1x MIPI-DSI 1x MIPI-CSI
- I/O 2x GbE 2x CAN 6x USB 6x COM 8x GPIO
- WiFi BT 5G/4G TPM SSD AI
- 0~60 -40~85

01 Specifications

<¼Ï	Rockchip RK3576J ( ) Quad core Arm Cortex-A72, 2.1GHz Quad core Arm Cortex-A53, 1.9GHz	Rockchip RK3576 ( ) Quad core Arm Cortex-A72, 2.2GHz Quad core Arm Cortex-A53, 2.0GHz
{¼Ï	6 TOPS Neural Network performance	
Y¼Ï	Arm Mali-G52 MC3, OpenGL ES 1.1/2.0/3.2, Vulkan 1.1, OpenCL 2.0 FP	
	H.265/H.264/VP9/AV1/AVS2 , 8K30/4K120; H.265/H.264 , 4K60	
	4GB/8GB/16GB LPDDR5X	
	32GB/64GB/128GB eMMC 5.1 for OS (256GB) 1x M.2 , : SATA 3.0 (SSD) / PCIe Gen2 x1 ( ) / USB 3.0 (4G/5G) 1x TF ,	
	2x RJ45, 10/100/1000 Mbps, 4kV (2.5Gbps)	
	WiFi 5 (802.11ac) + BT/BLE 5.2 4G/5G , 1x Micro SIM	
	1x HDMI 2.1 Type-A, 4K60 1x LVDS (eDP, 2x15Pin-2.0mm), 1x (12V, 6Pin-2.0mm) 1x 4-lane MIPI-DSI (, 31Pin-0.3mm FPC) HDMI+LVDS/eDP+MIPI	
	1x 4-lane MIPI-CSI (, 32Pin-0.5mm FPC), 16M ISP with HDR	
	1x Line out+Mic in (3.5mm CTIA), 1x Mic in (, 2Pin-2.0mm)	
ÏÃ;	1x USB 3.0 Type-A ( ), 3x USB 2.0 Type-A, 2x USB 2.0 (4Pin-2.0mm)	
	4x RS-232/485 (, 4Pin-2.0mm), 2x RS-232/TTL (, 4Pin-2.0mm)	
< {	2x CAN (4Pin-2.0mm)	
a <	1x TP-I2C (6Pin-2.0mm),	
Y¼¢	2x GPIO (6Pin-2.0mm), 8-bit / (3.3V)	
	TPM 2.0 ( ), , , 1x Power (2Pin-2.0mm), 1x LED (4Pin-2.0mm)	
	12V DC-IN (5.5x2.5mm DC Jack 4Pin-2.5mm)	
	3.5 , 146mm x 105mm	
	Debian 12, Ubuntu 22.04, Android ( ), OpenHarmony ( ), Preempt-RT	
	0~60 /-20~70 /-40~85 (BOM), 10%~90% RH	
	-40~85 , 5%~90% RH	