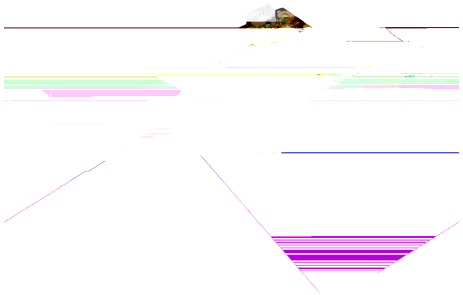
# Rockchip RK3576J 3.5

JES-R76I 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-R76I -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 ( )<br>Quad core Arm Cortex-A72, 2.1GHz<br>Quad core Arm Cortex-A53, 1.9GHz | Rockchip RK3576 ( )<br>Quad core Arm Cortex-A72, 2.2GHz<br>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)<br>1x M.2 , :<br>SATA 3.0 ( SSD) / PCIe Gen2 x1 ( ) / USB 3.0 ( 4G/5G )<br>1x TF , | |
| | 2x RJ45, 10/100/1000 Mbps, 4kV ( 2.5Gbps) | |
| | WiFi 5 (802.11ac) + BT/BLE 5.2<br>4G/5G , 1x Micro SIM | |
| | 1x HDMI 2.1 Type-A, 4K60<br>1x LVDS ( eDP, 2x15Pin-2.0mm ), 1x (12V, 6Pin-2.0mm)<br>1x 4-lane MIPI-DSI ( , 31Pin-0.3mm FPC)<br>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 | |