

JEA-E881

Rockchip RK3588J
ARM



Rockchip RK 3588J SoC

4x Cortex-A76 + 4x Cortex-A55 + 6 TOPS NPU

4/8/16GB LPDDR4X + 32/64/128GB eMMC

HDMI In + HDMI Out 4K &

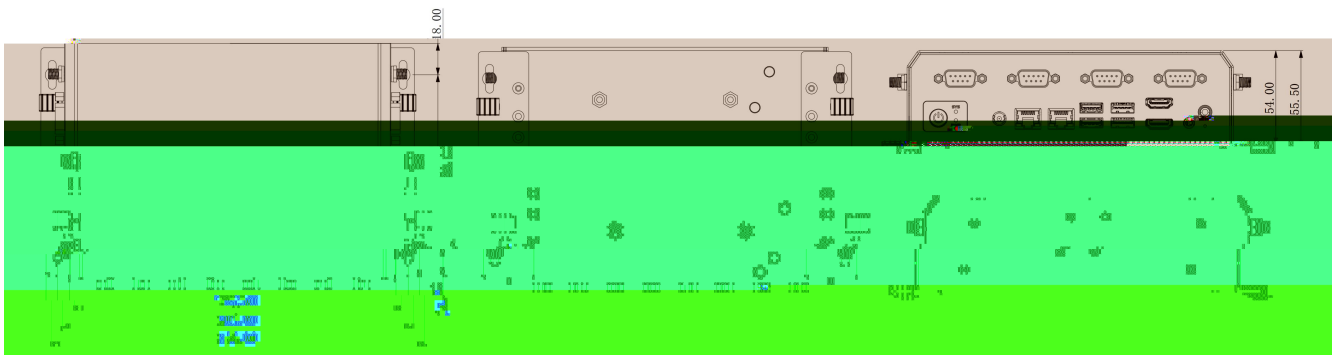
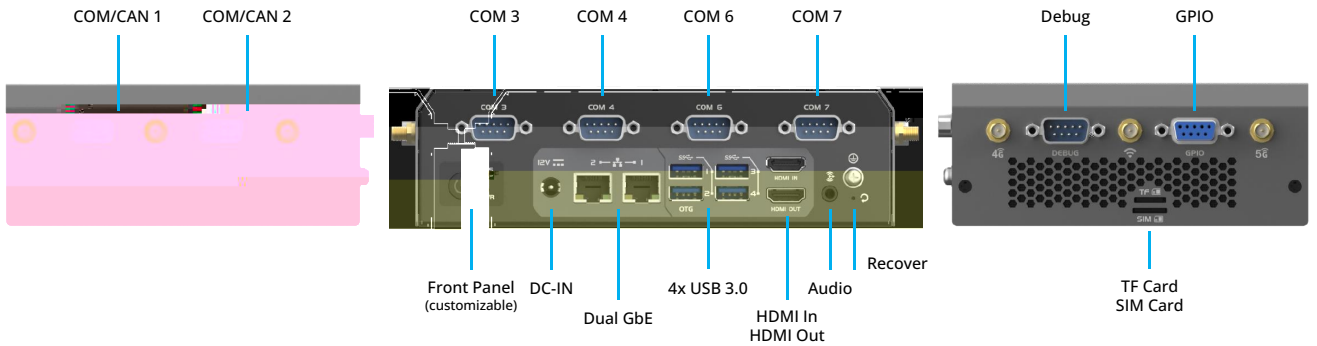
2x GbE 2x CAN 4x USB 6

WiFi BT 5G/4G NVMe SSD

Android / Linux / OpenHarmony

DIN / /

-40~70



	Rockchip RK3588J/RK3588	64
	Quad core Arm Cortex-A76, Quad core Arm Cortex-A55,	2.2-2.4GHz () / 1.6-2.0GHz () 1.8GHz () / 1.3-1.7GHz ()
	6 TOPS RKNN NPU, TensorFlow, Pytorch, Caffe, ONNX, MXNet	INT4/INT8/INT16/FP16
	4GB/8GB/16GB	LPDDR4X
	32GB/64GB/128GB eMMC 5.1 for OS 1x M.2 2280 (PCIe x4), 1x TF	NVMe SSD AI
	Arm Mali-G610 MP4,	OpenGL ES 1.1/2.0/3.2, OpenCL 2.2, Vulkan 1.2
	H.265/H.264/VP9/AV1/AVS2 H.265/H.264	8K 60 8K 30
	1x HDMI 2.1 Tx, 1x HDMI 2.0 Rx,	4K 60 4K 30
	ES8336	
	1x 3.5mm Line out	
	2x RJ45, 10/100/1000 Mbps, 4kV	
	AW-CM358	WiFi 5 (802.11ac) + Bluetooth 5.2
	1x M.2 Key B (USB 3.0),	4G/5G ; 1x Micro SIM
	LoRa/Zigbee	
	4x USB 3.0 Type-A () 2x DB9 RS-232/485 (BOM) 2x DB9 RS-232/TTL (BOM)	OTG ()
	2x DB9 RS-232/485/CAN (BOM) 1x DB9 GPIO (7-bit GPIO+1-bit ADC) 1x DB9 Debug	
	CR2032	
	12V DC-IN	(9-36V DC-IN)
	5.5x2.5mm DC Jack	2P-3.81mm
	, Recovery	LED ()
	187mm x 135mm x 54mm	
	, DIN	, VESA
	Debian 11, Ubuntu 20.04/22.04, Android 12, OpenHarmony 4.0	
	Preempt-RT Qt	Docker
	0-50 / -20-60 / -40-70	
	-40-85	
	10%-90% RH,	
	IEC 61000-4-2 ESD 3 (±6kV, ±8kV) IEC 61000-4-4 EFT 4 (±4kV, ±2kV)	
	CCC, CE Class A	

