Product Name	GAOTek Wifi 5G Industrial IOT Ceiling Edge Computing Gateway
Product SKU	GAOTek-ECP-114
Product URL	https://gaotek.com/product/gaotek-wifi-5g-industrial-iot-ceiling-edge-computing-gateway/

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1. Specifications:

Model	Basic	Pro	Max
SoC	**Rockchip RK3399** **Big Cluster CPU: Dual-core Cortex-A72 up to 1.8GHz Little Cluster CPU: Quad-core Cortex-A53 up to 1.5GHz** **Mali T864 GPU: OpenGL ES1.1/2.0/3.0/3.1, OpenVG1.1, OpenCL, DX11** **4K VP9 and 4K 10bits H265/H264 video decoders, up to 60fps 1080P H.264 and VP8 video encoders**		
MCU [1]	**8bit STM8S003 with Programmable EEPROM**		
SPI Flash	**16MB**		
LPDDR4 [2]	2GB	4GB	**4GB**
EMMC 5.1 [2]	16GB	32GB	**128GB**
Wi-Fi	AP6356S, 802.11a/b/g/n/ac 2X2 MIMO	**AP6398S, 802.11a/b/g/n/ac 2X2 MIMO with RSDB [3]**	
Bluetooth	V4.1	**V5.0**	
Ethernet PHY	**10/100/1000M RTL8211FD**		
HDMI 2.0a	**Type-A Female, up to 4K@60Hz, HDCP 2.2**		
HDMI CEC	**Yes**		
USB HOST	**USB3.0x1, USB2.0x1**		
USB Type-C	**One for Power only; One with DP1.2 support [4]**		
Input Voltage Range	**5V to 20V**		

Battery Connector	**2-Cell Battery Module**
Pogo Pads for VIN	**System Power Input**
Cooling Fan Header	**Controlled by PWM, with a 0.8mm Pitch Header**
Buttons	**x3 (Power, Func, Reset)**
Programmable LEDs	**Blue LED x1, White LED x1, Red LED x1**
Camera	**Interface: 4 lanes MIPI-CSI Dual 13 MegaPixels Supported** **Connector: 30 Pin 0.5mm Pitch FPC Connector**
Display	**4 lanes MIPI-DSI** **4 lanes eDP 1.3, up to 10.8Gbps**
Touch Panel	**10PIN 0.5mm Pitch FPC Connector**
M.2 Socket	**4 full-duplex lane PCIe 2.1** **M.2 2280 NVMe SSD Supported**
LAN	**10/100/1000M, Support WOL Feature [5]**
TF Card	**SD 3.0, up to 256GB**
RTC Battery Header	**0.8mm Pitch Header**
IR Receiver	**2 Channels**
Gesture Control	**APDS-9960** **Digital Proximity, Ambient Light, RGB and Gesture Sensor [6]**
Motion Tracking	**ICM-20602** **6-axis: 3-axis gyroscope, 3-axis accelerometer**
40 PIN 2.54mm Header	**USB, I2C, SPI, I2S, SPDIF, ADC, STM8S MCU IOs [7]**
Mounting Holes	**Size M2 x 4**

Board Dimensions	**82.0 x 58.0 x 13.5 mm**
Board Weight	**31g**
O/S	**Android Oreo, Ubuntu 18.04, Debian 9.0, and more**
Linux	**Mainline Linux**
BootLoader	**Mainline U-Boot**
AI Features	**TensorFlow, Android NN(Neural Networks API)**
Certifications	**CE, FCC, RoHS**