Captain Specifications

Model	Khadas Captain
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 [1]
TF Card	SD 3.0, up to 256GB
Gesture Control	APDS-9960 Digital Proximity, Ambient Light, RGB and Gesture Sensor [2]
Motion Tracking	ICM-20602 6-axis: 3-axis gyroscope, 3-axis accelerometer
Audio	Realtek ALC5651 Audio Codec 3.5mm Headphone Jack Microphone Sensitivity: -42dB Speaker(via FPC)
DC Jack	Input Voltage: 12V Outer/Pin Diameter: 5.5/2.1mm
Battery	2-Cell Li-on Battery Fuel Gauge IC: CW2015 Connector: 7 Pin 1.25mm Pitch Header
RTC Battery Header	0.8mm Pitch Header
Buttons	x8 (Programmable Game Pads) x2 (Left & Right Function Buttons) x2 (Reset, U-Boot/Func)
Wi-Fi Antenna	Chip Antenna x2 Model: Pulse W3006 2.4-2.5/5.15-5.85GHz Dualband
Buzzer	SPL: > 75dB (distance at 10cm) Response Time: < 40ms Oscillation Frequency: 4000Hz
IR Receiver	2 Channels
LED	Red LED x1, Programmable
USIC	via a 1.25mm Pitch Header
40 PIN 2.54mm Header	USB, I2C, SPI, I2S, SPDIF, ADC, STM8S MCU IOs [3]
Mounting Holes	Size M3 x 4
Board Dimensions	82.0 x 116.0 x 13.5 mm
Board Weight	52g
Compatibility	Khadas Edge Khadas Edge 1S [4]
Certifications	CE, FCC, RoHS

[1] WOL: Boot on or wake up the Edge remotely over LAN through APP or webpage.

[2] Gesture: Can power on/off the Edge over gestures, this feature is disabled by default.

[3] GPIO: Most of the pinmap compatible with VIMs.

[4] Edge 1S based on RK3399Pro is under development.