

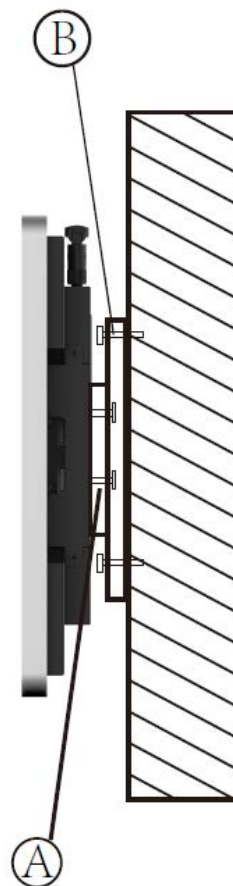
Product Descriptions RK3399 15.6" Spectra Tablet with High brightness IPS panel (Model: ST156)



	Model Reference#	ST156
Panel	Screen Size	15.6" IPS
	Mode	Normally Black
	LCD brand	BOE Original
	Active Area	344.16(H) ×193.59 (V)
	Resolution	1920 *1080
	Pixel pitch	0.17925 (H) X 0.17925 (V)
	Brightness	Enhanced to 500Nits from original 220Nits
	Contrast Ratio	(800:1)
	Aspect Ratio	(16:9)
	Viewing Angle	85/85/5/85(L/R/U/D)
MTBF	50,000hrs	
Touch Panel	Touch Panel	10-point capacitive touch panel
	Surface treatment	CL Cover
Hardware & OS	Soc	Rockchip RK3399 (28nm HKMG Process)
	CPU	Six-Core ARM 64-bit processor, up to 2.0GHz Based on Big.Little architecture, Dual-Core Cortex-A72 and Quad-Core Cortex-A53 with separate NEON coprocessor
	VPU	Support 4K VP9 and 4K 10bits H265/H264 video decoding, up to 60fps 1080P multi-format video decoding (WMV, mpeg-1/2/4, VP8) 1080P video encoding, which supports h.264, VP8 format Video post-processor: anti-cross, de-noising, edge/detail/color optimization
	GPU	ARM Mali-T860 MP4 Quad-Core GPU Support OpenGL ES1.1/2.0/3.0/3.1, OpenCL and DirectX 11 Support AFBC
	OS	SUPPORT ANDROID/LINUX
	RAM	Dual-Channel DDR3 -1600 (800MHz) (2GB Standard/4GB Optional)
	Flash	High-Speed eMMC 5.1 (32GB Standard&Minimum/64GB/128GB Optional 256GB in testing)
	I/O ports	1x RJ45(POE Standard), 3 x USB 2.0 host(one can be switched to slave mode for firmware update), 1 x USB 2.0(for Optional added-on Swipe/EMV Card Reader) , 1 xHDMI output[with anti-loose mechanism,HDMI 2.0, up to 4K@60fps , support HDCP 1.4/2.2], 1 xHDMI input[with anti-loose mechanism],1x SPDIF, 1 x SD card, 1 x AUX output, 1 x DC input[with anti-loose mechanism],1 x Wi-fi Antenna,1 x 4G Antenna, 1 x RJ45(for Walkbase Sensor), 1 x 4G SIM Card Slot (Protected with small door on back case) ,1x UART(for Optional added-on Bar code scanner Honeywell N3680)
	Front Camera	5,000,000 pixels, fixed focus, focus range 8mm -∞ Standard-Horizontal,Vertical Optional 8,000,000 pixels(Optional)
	Audio	Built-in stereo speakers
Power	Power input by adapter	DC12V, 3.33A
	Power input by PoE	IEEE802.3at(25.5W) / Network cable requirement: CAT-5e or better
Buttons	Back control buttons	Menu(Recovery Opt), Vol+/-, Brightness +/-, Reset, AD
Media support	Video(Full HD 1920 x 1080)	AVI,H.263,H.264,VC-1,MPEG-2,MPEG-4,DIVD/DIVX, Real8/9/10, RM, RMVB, PMP, FLV, MP4, M4V, VOB,WMV, 3GP, MKV,ASF, 3G2M4V, MJPEG,RV10
	Image	JPG, BMP, PNG, GIF
	Audio	MP1,MP2,MP3,WMA,OGG,AAC,M4A,FLAC,APE,AMR,RA,WAV.
Connectivity	RJ45	Ethernet 10/100/1000, support 802.1Q tagging
	WIFI	WiFi 2.4GHz/5GHz Dual-Band Support 802.11a/b/g/n/ac
	Bluetooth	Built-in BLE 4.0 Beacon
General information	Case Material	High-quality metal case with Aluminum frame
	Case Color	Standard color: Cold Gray(Customized color upon request)
	Fixations	Vesa 100 x 100mm
	Storage Temp	(-15 -- 65 degree)
	Working Temp	(0 -- 50 degree)
	Storage/Working Humidity	(10 -- 90 %)
	Dimension	396.7 X 248.8 X 35.5MM
Weight	3.33kgs	

Installation instructions

1. The wall hanging bracket A is fastened with the product through screws
2. The wall hanging bracket B is fastened to the wall with screws
3. The product and the wall shall be installed in AB position through the wall hanging bracket



FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.