

Feature	Specification
Operating System	Android™ 10
Processor	Rockchip RK3399
Memory	4GB RAM
Internal Storage	32GB NAND flash memory
Micro-SD	Support for microSD cards (up to 128GB)
Wi-Fi + Bluetooth	IEEE 802.11a/b/g/n/ac + Bluetooth 5.0 with BLE via external antenna
USB Port	1x Type-C 4x USB 3.0 Type A
General Purpose Input/Output	1x GPIO slot available
Video Ports	1x HDMI up to 4k60 1x Type C up to 1080p
Ethernet	100//100/1000MHz RJ45 Port



DC In Type C HDMI Ethernet USB 3.0

Rear IO



Wi-Fi and BT Antenna USB 3.0 microSD GPIO Home Power Wi-Fi Antenna

Front IO

GENERAL INFORMATION

General Description of the Item(s)

Product Name	Computer BOX
Model No.	ESY00I4
FCC ID	RBWESY00I4
IC	10757B-ESY00I4
Manufacturer	Elo Touch Solutions, Inc
Manufacturer Address	670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA.

Wireless specification.....	Bluetooth				
Bluetooth Specification.....	V3.0				
Operating frequency range(s).....	2400~2483.5MHz				
Type of Modulation.....	GFSK				
PHYs	☒	GFSK	☒	Pi/4 DQPSK	☒ 8DPSK
Data Rate	☒	1Mbit/s	☒	2Mbit/s	☒ 3Mbit/s
Number of channel.....	79				
Operating Temperature Range	0℃~40℃				

Wireless specification.....	Bluetooth 5.0				
Operating frequency range(s).....	2400~2483.5MHz				
Type of Modulation.....	GFSK				
PHYs	☒	LE 1M	☒	LE 2M	☐ LE Coded S=2/8
Data Rate	☒	1Mbit/s	☒	2Mbit/s	☐ 500/125 Kbit/s
Number of channel.....	40				

Wireless specification	WIFI
Operating frequency range(s)	2400~2483.5MHz
Type of modulation	802.11b: DSSS-DBPSK, DQPSK, CCK 802.11g/n: OFDM-BPSK, QPSK, 16QAM, 64QAM
Number of channel	802.11b/g/n (20MHz) : 11
Data Rate	802.11b: 1/2/5.5/11 Mbps 802.11g: 6/9/12/18/24/36/48/54 Mbps 802.11n: up to 144.4 Mbps

Product Name	Computer BOX					
Model No.	ESY00I4					
Hardware Version	R04					
Software Version	Android10					
HVIN	ESY00I4SV					
EUT Voltage	19 Vdc and POE 44-57V for ESY00I4					
Type of Modulation	OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM					
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps					
	802.11n: up to 300Mbps					
	802.11ac: up to 866.6Mbps					
Channel Control	Auto					
Transmit modes	☒	802.11a	☒	802.11n(20MHz)	☒	802.11n(40MHz)
	☒	802.11ac(20MHz)	☒	802.11ac(40MHz)	☒	802.11ac(80MHz)
Support Bands	☒	5150MHz~5250MHz	☐	Outdoor AP		
			☐	Indoor AP		
			☐	Fixed point-to-point AP		
			☒	Mobile and Portable Client		
	☒	5250MHz~5350MHz				
	☒	5470MHz~5600MHz, 5650MHz~5725MHz				
☒	5725MHz~5850MHz					

Rated power supply	Voltage and Frequency				
	☐	AC: 220 – 240 V, 50/60 Hz			
	☐	AC: 110 – 130 Vac, 50/60 Hz			
	☒	19 Vdc and POE 44-57V for ESY00I4			
	☐	Battery:			

Antenna model / type number	N/A			
Antenna serial number	N/A			
Antenna Delivery	☒	1TX + 1RX		
	☐	2TX + 2RX		
	☐	Others:.....		
Antenna technology	☒	SISO		
	☐	MIMO	☐	CDD
			☐	Beam-forming
Antenna Type	☐	External	☐	Dipole
			☐	Sectorized
	☒	Internal	☒	PIFA
			☐	PCB
			☐	Dipole
			☐	Others.....
Antenna Gain.....	2 dBi for ESY00I4			

Antenna model / type number..... :	N/A		
Antenna serial number	N/A		
Antenna Delivery	☒	1TX + 1RX	
	☒	2TX + 2RX	
	☐	Others:.....	
Antenna technology..... :	☒	SISO	
	☒	MIMO	☒ CDD
			☐ Beam-forming
Antenna Type..... :	☐	External	☐ Dipole
			☐ Sectorized
	☒	Internal	☒ PIFA
			☐ PCB
			☐ Metal Monopole Antenna
			☐ Ceramic chip
			☐ Others.....
Antenna Gain	SISO:	Antenna1	2 dBi for ESY00I4
		Antenna2	2 dBi for ESY00I4
	CDD:	2 dBi for Power; 5.01 dBi for PSD for ESY00I4	

Antenna model / type number .. :		N/A	
Antenna serial number		N/A	
Antenna Delivery		☒	1TX + 1RX
		☒	2TX + 2RX
		☐	Others:.....
Antenna technology		☒	SISO
		☒	MIMO
		☒	CDD
Antenna Type.....		☐	External
		☐	Dipole
		☐	Sectorized
		☒	Internal
		☒	PIFA
		☐	PCB
		☐	Metal Antenna
		☐	Others.....
SISO	Antenna 1 Gain	3 dBi for ESY00I4	
	Antenna 2 Gain.....	3 dBi for ESY00I4	
CDD		3 dBi for Power; 6.01 dBi for PSD for ESY00I4	