

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.....	ESY0014
FCC ID	RBWESY0014
IC	10757B-ESY0014
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	<input checked="" type="checkbox"/>	GFSK	<input checked="" type="checkbox"/>	Pi/4 DQPSK	<input checked="" type="checkbox"/>	8DPSK
Data Rate	<input checked="" type="checkbox"/>	1Mbit/s	<input checked="" type="checkbox"/>	2Mbit/s	<input checked="" type="checkbox"/>	3Mbit/s
Number of channel.....	79					
Operating Temperature Range	0°C~40°C					

Wireless specification.....	Bluetooth 5.0					
Operating frequency range(s).....	2400~2483.5MHz					
Type of Modulation.....	GFSK					
PHYS	<input checked="" type="checkbox"/>	LE 1M	<input checked="" type="checkbox"/>	LE 2M	<input type="checkbox"/>	LE Coded S=2/8
Data Rate	<input checked="" type="checkbox"/>	1Mbit/s	<input checked="" type="checkbox"/>	2Mbit/s	<input type="checkbox"/>	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.	ESY0014					
Hardware Version	R04					
Software Version	Android10					
HVIN	ESY0014SV					
EUT Voltage	19 Vdc and POE 44-57V for ESY0014					
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	<input checked="" type="checkbox"/>	802.11a	<input checked="" type="checkbox"/>	802.11n(20MHz)	<input checked="" type="checkbox"/>	802.11n(40MHz)
	<input checked="" type="checkbox"/>	802.11ac(20MHz)	<input checked="" type="checkbox"/>	802.11ac(40MHz)	<input checked="" type="checkbox"/>	802.11ac(80MHz)
Support Bands	<input checked="" type="checkbox"/>	5150MHz~5250MHz	<input type="checkbox"/>	Outdoor AP		
			<input type="checkbox"/>	Indoor AP		
			<input type="checkbox"/>	Fixed point-to-point AP		
			<input checked="" type="checkbox"/>	Mobile and Portable Client		
	<input checked="" type="checkbox"/>	5250MHz~5350MHz				
	<input checked="" type="checkbox"/>	5470MHz~5600MHz, 5650MHz~5725MHz				
<input checked="" type="checkbox"/>	5725MHz~5850MHz					

Rated power supply	Voltage and Frequency		
	<input type="checkbox"/>	AC: 220 – 240 V, 50/60 Hz	
	<input type="checkbox"/>	AC: 110 – 130 Vac, 50/60 Hz	
	<input checked="" type="checkbox"/>	19 Vdc and POE 44-57V for ESY0014	
	<input type="checkbox"/>	Battery:	

Antenna model / type number	N/A				
Antenna serial number	N/A				
Antenna Delivery	<input checked="" type="checkbox"/>	1TX + 1RX			
	<input type="checkbox"/>	2TX + 2RX			
	<input type="checkbox"/>	Others:.....			
Antenna technology	<input checked="" type="checkbox"/>	SISO			
	<input type="checkbox"/>	MIMO	<input type="checkbox"/>	CDD	
			<input type="checkbox"/>	Beam-forming	
Antenna Type	<input type="checkbox"/>	External	<input type="checkbox"/>	Dipole	
			<input type="checkbox"/>	Sectorized	
			<input checked="" type="checkbox"/>	Internal	
	<input checked="" type="checkbox"/>	Internal	<input checked="" type="checkbox"/>	PIFA	
			<input type="checkbox"/>	PCB	
			<input type="checkbox"/>	Dipole	
<input type="checkbox"/>	Others:.....				
Antenna Gain.....	2 dBi for ESY0014				

Antenna model / type number..... :	N/A			
Antenna serial number	N/A			
Antenna Delivery	<input checked="" type="checkbox"/>	1TX + 1RX		
	<input checked="" type="checkbox"/>	2TX + 2RX		
	<input type="checkbox"/>	Others:.....		
Antenna technology..... :	<input checked="" type="checkbox"/>	SISO		
	<input checked="" type="checkbox"/>	MIMO	<input checked="" type="checkbox"/>	CDD
			<input type="checkbox"/>	Beam-forming
Antenna Type..... :	<input type="checkbox"/>	External	<input type="checkbox"/>	Dipole
			<input type="checkbox"/>	Sectorized
	<input checked="" type="checkbox"/>	Internal	<input checked="" type="checkbox"/>	PIFA
			<input type="checkbox"/>	PCB
			<input type="checkbox"/>	Metal Monopole Antenna
			<input type="checkbox"/>	Ceramic chip
			<input type="checkbox"/>	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		<input checked="" type="checkbox"/>	1TX + 1RX
		<input checked="" type="checkbox"/>	2TX + 2RX
		<input type="checkbox"/>	Others:.....
Antenna technology		<input checked="" type="checkbox"/>	SISO
		<input checked="" type="checkbox"/>	MIMO
		<input checked="" type="checkbox"/>	CDD
Antenna Type.....		<input type="checkbox"/>	External
		<input type="checkbox"/>	Dipole
		<input type="checkbox"/>	Sectorized
		<input checked="" type="checkbox"/>	Internal
		<input checked="" type="checkbox"/>	PIFA
		<input type="checkbox"/>	PCB
SISO		Antenna 1 Gain	3 dBi for ESY0014
		Antenna 2 Gain.....	3 dBi for ESY0014
CDD		3 dBi for Power; 6.01 dBi for PSD for ESY0014	