Tablet Manual

TBL-W230

General System Description

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1. Hardware Specifications

This section describes about the key component list that using on TL10IE2 machine and its product specification.

1.1 Main Chip

SoC	Intel Bay Trail-T-CR 1.33 GHz ~ 1.83GHz	■ Atom 3735G / Atom 3735F ■ Quad core (4C/4T) ■ 2MB of 2L Cache
GPU	Gen7LP	■ Intel HD Graphics ■ Up to 600MHz+
Memory	DDR3L Hynix H5TC4G63AFR-PBA	■ DDR3L one channel, 1333MT/s, 64-bits ■ Support DDR3L 1GB/2GB ■ Memory down solution by 512MB * 4 (different PCB/SOC)
Audio Codec	ALC5645	■ I2C control interface ■ Stereo/Mono BTL class-D amplifier
Card Reader	Intel Bay Trail-TCR	■ SDIO interface ■ Micro SD support
Wireless LAN \ Bluetooth	AW-NB177NF /AW-AM691NF	■ IEEE 802.11 a/ b/g/n Wireless LAN and ■ Bluetooth 4.0 Combo LGA Module ■ Support MIMO 2x2
Storage	Sandisk/Kingston 16G/32G eMMC	■ Memory controller and NAND flash ■ Complies with eMMC specification Ver. 4.51 ■ Variable clock frequencies of 0-26MHz (default), 0-52MHz (high-speed)
LCD	KD101N12-40NC-A6 CPT CLAA101WH13 LE	■ TFT Color LCD, TN ■ 10.1” with 1280 x 800 ■ LVDS interface, 250 nits
Touch screen	Token Atmel IC	■ 5 point touch ■ Capacitive type ■ Sode lime glass
Battery	TCL/SWD	■ 1S3P 8100mAh or 6300mAh
AC-Adapter	APD	■ 15W, 5V3A ■ Wall mount
Speaker/ MIC		■ Analog ■ Build-in 2 speakers, 0.8W 4Ω ■ Internal Microphone support
Front Camera	Chicony CIFDHA2 BISON BCLBC6M10-000	■ Fixed focus ■ Normal non-mirror mode ■ 1.2M HD ■ Support 4:3 aspect ratio ■ Support 720p HD

Rear Camera	Aptina/AR0543 Lens Glorytek 8090-1503-AF93	■ Fixed focus / Auto focus ■ 5M
TPM		■ fTPM only ■ No TD supported
G sensor	BOSCH BMA222E	■ Display profile switching (portrait/landscape, face-up/face-down switching) ■ Flat detection, Gaming, ■ SPI & I²C, 2x digital interrupt pins
(Option item)		
Ambient Light-Sensor	CM3218	■ LCD backlight luminance auto adjustment ■ Standard SM Bus protocol interface
eCompass	BMC150	Compensated compass Map rotation I²C serial interface
Gyroscope	BMG160	Gaming and virtual reality input devices GPS navigation systems I²C/SPI digital output interface
3G/4G	3G: MU736 4G: ME936	3G : Built-in GPS 4G : Built-in GPS + GLONASS
Interface		
Hardware button	Volume up and down button	Controls the audio volume increase and decrease
	Power Button	Places the system into standby mode Press and hold for four seconds shuts down the system
I/O Port	1 x DC-in jack 1 x micro USB 2.0 ports 1 x 3.5mm combo jacks for microphone/headphone: 1 x micro SD card ■ 1 x micro SIM card ■ 1 x micro HDMI port	
System Status Indication	Battery charger status (Blued) Power On (Blue) / Standby Front Camera On (Blue)	
OS	Win8 32 bits	
System BIOS	(TBD)	

Docking spec			
Keyboard	Keyboard vendor: Refer to KPL	■ Follow control IC keyboard Hot key design ■ US /UK KB ■ Multi-languages Supported ■ Chocolate KB	
Pointing Device	Follow KPL	■ multi-gesture function (w/driver) need follow control IC design	
HDD (Optional)	2.5” HDD	■ Single-HDD for 2.5" 7mm SATA support ■ Support SATA 2.0, SATA 3.0 ■ 320G/ 500G	
I/O Port		■ 1 x USB 2.0 ports	
Language		Arabic Brazil Portuguese English French German Greek Hebrew Hungarian Italian	Latin Spanish Portuguese Russian Simplified Chinese Spanish Thai Traditional Chinese Turkish
Measurements		Dimension: 284.6 x 237.7 x16.6 mm Weight: 1266g / Tablet:785 g / Docking:558g	
Battery Life		Actual battery life may vary based on product settings, usage patterns and environmental conditions	

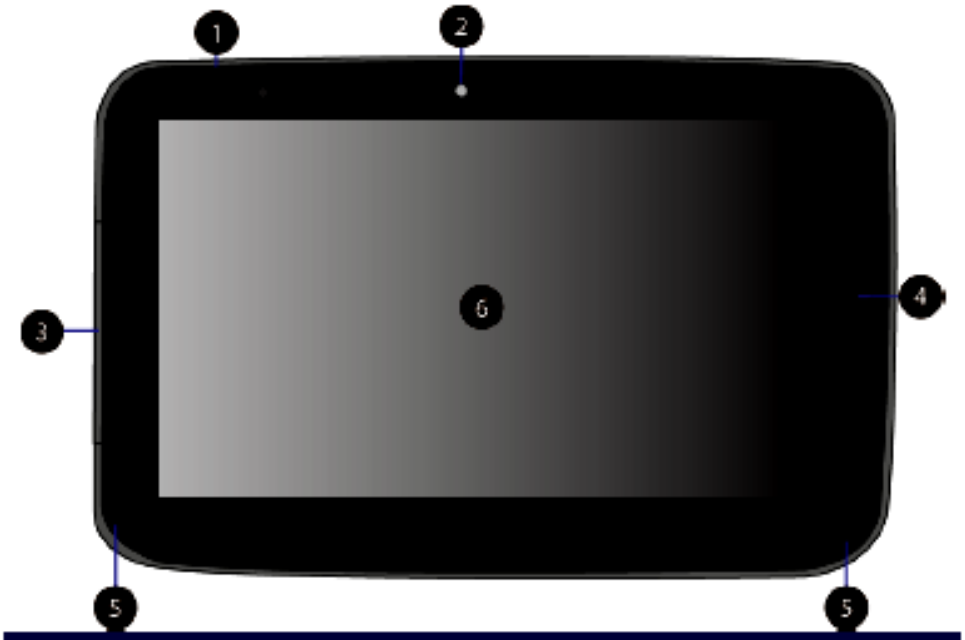
Certification	EMC	CE FCC
	RF	FCC & SAR R & TTE & SAR
	Safety& Environment	UL / CB WEEE RoHS (Restriction of Hazardous Substances, EU directive + amendments) ■ HDMI (D type)
Design ready	Other	■ Energy Star 6.0
Weight		■ 1266g
Dimension		■ 284.6 x 237.7 x16.6 mm ■ 284.6 x 237.7 x13.5mm

1.2 Getting to Know Your Computer

Layout

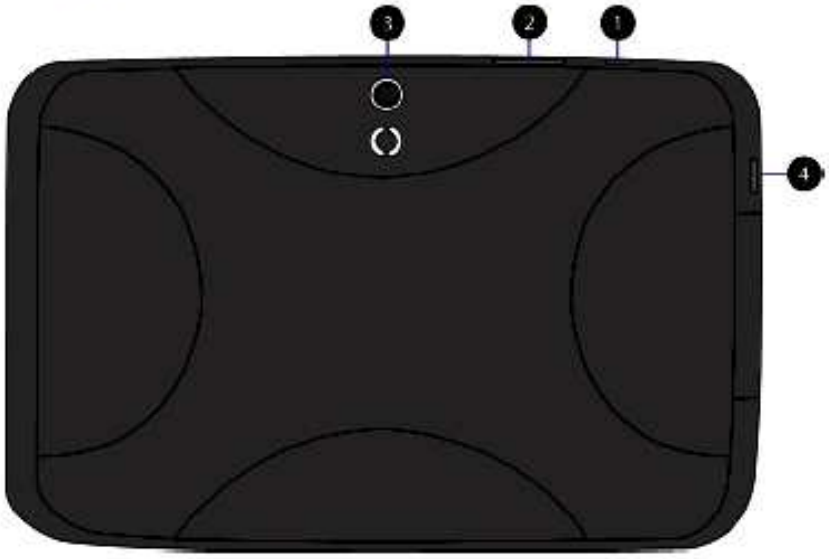
Tablet Views

- **Front**



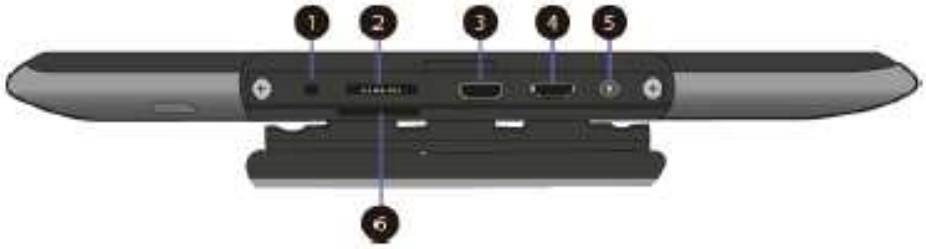
No.	Name	Function
1	Microphone	Mainly for sound and speech recording.
2	Front facing camera	Often for taking self-portraits as well as for video conferencing.
3	I/O cabinet	See page 6 for details..
4	Digital pen slot	This is where you can rest and charge the attached digital pen (optional)
5	Speaker	The sound system has two speakers for playing music, notification sounds, and other audio data.
6	Touchscreen	It is a see-touch device: You look at it and also touch it with your fingers to control the tablet.

• Back



No.	Name	Function
1	Power/sleep button	Push here to power on/off your tablet. Pushing this button when the tablet in sleep mode will resume to normal operation.
2.	Volume up/ down	Press here to increase or decrease the sound volume.
3	Rear facing camera	The camera is mainly used when you are taking photos or recording videos.
4	Windows button	Switches the screen between the Start screen and the previously opened app/program.

- **Left (I/O cabinet)**

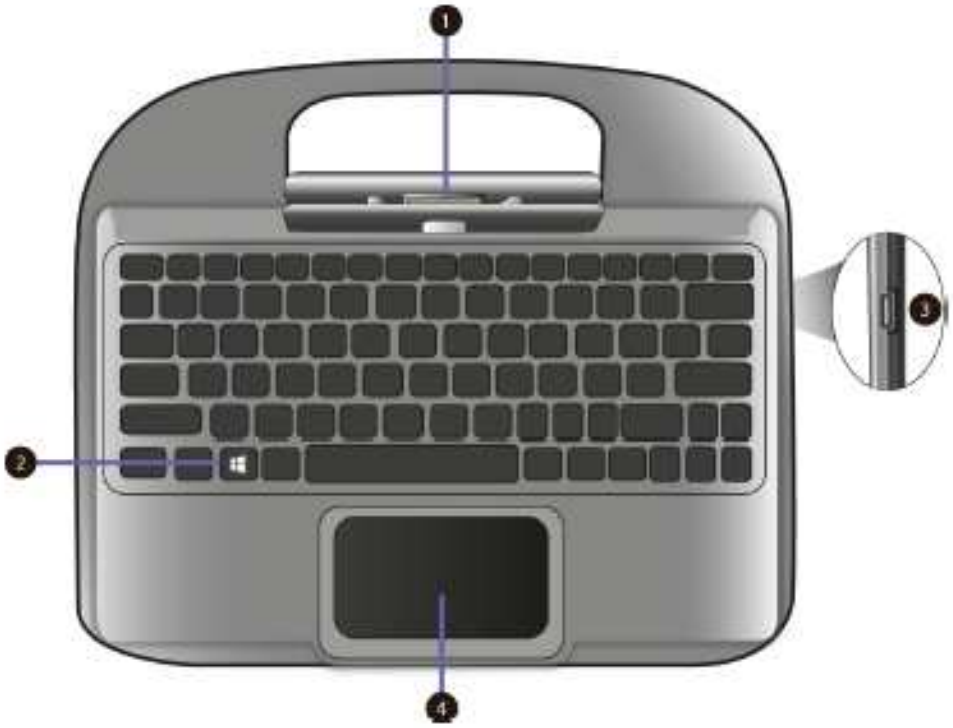


No.	Name	Function
1	Combo jack	Here you can plug in a standard headphone set.
2	Micro SD card slot	This is where you can insert a Micro SD memory card.
3	Micro USB port	Here you can plug in a USB device.
4	Micro HDMI port	This is where you can connect your HDMI external screen.
5	DC-in jack	This is where you plug in the adapter to charge your tablet.
6	Micro SIM card slot	This is where you plug in your SIM card.

- **Bottom**

No.	Name	Function
1	Pogo pin	A connector to the keyboard dock

Keyboard Dock Views



No.	Name	Function
1	Docking Connector	A connector where you docking your tablet.
2	Windows key	Switches the screen between the Start screen and the previously opened app/program.
3.	USB 2.0 port	Here you can plug in a USB device.
4	Touchpad	Here is the touchpad that you can use it as you are using a traditional mouse

• Shortcut keys

You can access certain system settings quickly by pressing the appropriate function keys.

Press both the Fn key and One of the following shortcut key at the same time to perform your desired function.

f1	Enable/disable the Airplane mode to turn off/on all wireless communication.	f5	Increases the volume level
f2	Puts your computer into sleep mode.	f6	Allows you to select your display mode (an external monitor required).
f3	Mutes/unmutes the audio output.	f7	Decreases the display brightness.
f4	Decreases the volume level.	f8	Increases the display brightness.

Software Specifications

Processor	■ Intel® Bay Trail-T-CR (2M Cache, 1.33 GHz~1.83 GHz)
Memory	■ 1GB/2GB ■ DDR3L one- channel, 1333MT/s (max.)
Storage	Tablet ■ 16GB/32GB NAND flash ■ eMMC Version 4.51 interface Keyboard dock (Optional) ■ One SATA II/III 2.5" 7mm HDD
Dimension	■ 284.6 x 237.7 x16.6 mm (Tablet) ■ 284.6 x 237.7 x13.5mm (Keyboard Dock)
Weight	■ 1266 g (Tablet + Keyboard dock)
Wireless	■ IEEE 802.11 a/ b/g/n Wireless LAN ■ Bluetooth 4.0
Touchscreen	■ 10.1", 1280 x 800 ■ TFT Color LCD, TN ■ 5-point touch
Cameras	■ Front facing camera: 1.2M (HD) ■ Rear facing camera: 5M (without VCM function)
Battery	Tablet ■ 1S3P 8100mAh or 6300mAh ■ Model No. TCL: TZ10-1S6300-T1T2, TL10RE1-1S8100-T1T2 SIMPLO: TZ10-1S6300-S1C1,