

## History of Revision

Version	Date	Page	Item	Description	Remark
V1.0	2023/04/26	All	All	Draft / Preliminary release	
V1.1	2023/10/26	3	IO Ports	2 x Type A ports, modify description	
V1.2	2023/11/14	3	Adapter	45whr adapter for 65W	
V1.3	2023/11/15	2	5G	Modify description	
		4	Battery Life	Modify description	
V1.4	2023/11/30	2	WWAN	Remove 5G features	
		2	WLAN	Modify description	
		3	IO ports (6W)	Remove SIM nano	
V1.5	2023/12/01	3	Battery	Add 45whr battery	
			I/O ports (6W)	1*Type C (optional)	
		4	Battery Life	Modify description	
V3.0	2023/12/6	All	All	Change to PVT version	
V3.1	2023/12/6	4	Energy Star V9.0	Energy Star V9.0 add TBD	
V3.2	2023/12/21	2	Touch Screen	Add touch screen (optional)	
		2	LCD	Modify description	
		2	Accelerometer	Add Accelerometer	
		3	Pointing Device	Add IC PN	
		4	Measurements	Add TSP measurement	
V3.3	2023/01/29	2	Touch Screen	IC change to ILI2901	
		2	Accelerometer	Removed Accelerometer	
Prepared by: Grace Liu	Approved by: Jet Hung		Date of Issue: 2023/11/15 Date of Revise: 2024/04/29 Version: 3.3		

SOC	Intel Alder lake-N 6W & 15W	<ul style="list-style-type: none"> <li>■ Intel® Processor N100, 4C/6W, 0.8GHz~3.4GHz</li> <li>■ Intel® UHD Graphics, 200/750MHz</li> <li>■ Intel® Processor N200, 4C/6W, 1.0GHz~3.7GHz</li> <li>■ Intel® UHD Graphics, 200/750MHz</li> <li>■ Intel® Core i3-N305, 8C/15W, 1.8GHz~3.8GHz</li> <li>■ Intel® UHD Graphics, 200/1250MHz</li> </ul>
Memory	LPDDR5	<ul style="list-style-type: none"> <li>■ LPDDR5 4GB/8GB</li> <li>■ Single channel transfer rates of up to 4800 MT/S.</li> </ul>
Storage	eMMC	<ul style="list-style-type: none"> <li>■ Support 64GB/128GB</li> <li>■ Support eMMC 5.1</li> </ul>
LCD		<ul style="list-style-type: none"> <li>■ 14" TN IPS, 1366 x 768(Anti-Glare)</li> <li>■ 14" FHD IPS, 1920 x 1080(Anti-Glare) (Optional)</li> </ul>
Touch Screen (optional)	ILI2901	<ul style="list-style-type: none"> <li>■ Air bonding</li> <li>■ Support 10-points multi-touch, GFF type</li> <li>■ Capacitive multi-touch</li> <li>■ I2C Interface</li> </ul>
EC	ITE IT81302 (EC w/ TCPC)	<ul style="list-style-type: none"> <li>■ Highly integrated embedded controller</li> <li>■ Support eSPI interfaces to the eSPI/LPC bus and</li> <li>■ Support ACPI embedded controller function, SPI slave interface, keyboard controller (KBC) and matrix scan, PWM and ADC for hardware monitor, BRAM and system wake-up functions for system power management.</li> <li>■ Integrated USB Type-C and USB Power Delivery port control.</li> </ul>
Hall Sensor	Diode AH1389-HK4-7	<ul style="list-style-type: none"> <li>■ Micro power operation</li> <li>■ Operation with magnetic field of either north or south pole</li> <li>■ Chopper stabilized</li> <li>■ Superior temperature stability</li> </ul>
Card Reader	Genesys Logic GL9750S-OIY04	<ul style="list-style-type: none"> <li>■ PCIE interface</li> <li>■ Support SD 3.0 UHS-I SDR-104 / HD mode</li> <li>■ Support Modern Standby</li> <li>■ QFN32 4mm x 4mm package</li> </ul>
Wireless LAN	Mediatek MT7921	<ul style="list-style-type: none"> <li>■ 802.11, 2x2 (5GHz/2.4GHz dual band support)</li> <li>■ M.2 2230 supported</li> <li>■ WLAN support (up to 2.4 Gbps)</li> </ul>
Audio Codec	Realtek ALC5682I-VS	<ul style="list-style-type: none"> <li>■ I2S integrated audio</li> <li>■ Digital MIC array</li> </ul>
Audio Amplifier	Realtek ALC1019	<ul style="list-style-type: none"> <li>■ Simple Plug-and-Play Design</li> <li>■ Single-Supply Operation (2.5V to 5.5V)</li> <li>■ 3.2W Output Power into 4Ω at 5V</li> <li>■ 2.2mA Quiescent Current</li> <li>■ 1ms Turn-On Time</li> </ul>
Keyboard		<ul style="list-style-type: none"> <li>■ ANSI/ISO keyboard</li> <li>■ 74 US KEY/ 75 UK KEY</li> <li>■ Multi-languages Supported</li> <li>■ Physical Chocolate KB</li> </ul>

Pointing Device (Touch Pad)	PCT2342QC	<ul style="list-style-type: none"> <li>■ Click Pad with Left / Right Click and scrolling Bar.</li> <li>■ HID-I2C interface</li> </ul>
Battery	5350mAh (for 6W)	<ul style="list-style-type: none"> <li>■ Li-Polymer Smart-Battery, soft pack, non-removable</li> <li>■ 2S1P/7.7V/5350mAh/ 41Wh</li> <li>■ Certification: CE/CB/UL(cTUVus)</li> <li>■ Battery life 500 cycle capacity <math>\geq 80\%</math></li> </ul>
	5900mAh (for 6W)	<ul style="list-style-type: none"> <li>■ Li-Polymer Smart-Battery, soft pack, non-removable</li> <li>■ 2S1P /7.7V/5900mAh/ 45Wh</li> <li>■ Certification: CE/CB/UL(cTUVus)</li> <li>■ Battery life 500 cycle capacity <math>\geq 80\%</math></li> </ul>
	4656mAh (for 15W)	<ul style="list-style-type: none"> <li>■ Li-Polymer Smart-Battery, soft pack, non-removable</li> <li>■ 3S1P /11.55V/4656mAh/ 55Wh</li> <li>■ Certification: CE/CB/UL(cTUVus)</li> <li>■ Battery life 500 cycle capacity <math>\geq 80\%</math></li> </ul>
Adapter	45W (for 6W)	<ul style="list-style-type: none"> <li>■ DC Output for Adapter : 20V/2.25A</li> <li>■ DC Output for System : 15V/3A</li> <li>■ 45 Watts, USB type C plug</li> <li>■ Automatics Voltage adjustment between 100 and 240VAC</li> <li>■ Input Frequency 50/60Hz</li> <li>■ Surge protection</li> </ul>
	65W (for 15W)	<ul style="list-style-type: none"> <li>■ DC Output for Adapter : 5V/3A ,9V/3A ,12V/3A ,15V/3A , 20V/3.25A</li> <li>■ DC Output for System : 20V/3.25A</li> <li>■ 65 Watts, USB type C plug</li> <li>■ Automatics Voltage adjustment between 100 and 240VAC</li> <li>■ Input Frequency 50/60Hz</li> <li>■ Surge protection</li> </ul>
I/O Port (6W)	<ul style="list-style-type: none"> <li>■ 1 x Type C Port (USB 3.2 Gen1 Type C port, PD 3.0, DP 1.2 with Alt mode) (MB)</li> <li>■ 1 x Type C Port (USB 3.2 Gen1 Type C port, PD 3.0, DP 1.2 with Alt mode) (DB) (optional)</li> <li>■ 2 x Type A Port (USB 3.2 Gen 1) (MB/DB each one)</li> <li>■ 1 x combo Audio jack for microphone/headphone (MB)</li> <li>■ 1 x Micro SD Card (DB)</li> <li>■ 1 x Kensington Lock</li> </ul>	
I/O Port (15W)	<ul style="list-style-type: none"> <li>■ 2 x Type C Port (USB 3.2 Gen1 Type C port, PD 3.0, DP 1.2 with Alt mode) (MB/DB each one)</li> <li>■ 2 x Type A Port (USB 3.2 Gen 1) (MB/DB each one)</li> <li>■ 1 x combo Audio jack for microphone/headphone (MB)</li> <li>■ 1 x Micro SD Card (DB)</li> <li>■ 1 x Kensington Lock</li> </ul>	
Speaker	<ul style="list-style-type: none"> <li>■ Build-in 2 stereo speakers</li> <li>■ Speaker: 2W , 4<math>\Omega</math></li> </ul>	
Camera	<ul style="list-style-type: none"> <li>■ Default: Front camera <ul style="list-style-type: none"> <li>➢ USB2.0 interface, w/ LED indicator</li> <li>➢ 1M w/ 2 D-MICs</li> <li>➢ 2M FHD w/ 2 D-MICs (Optional)</li> </ul> </li> </ul>	
System Status LED Indication	<ul style="list-style-type: none"> <li>■ Power on status: power on/ blue ; sleep/ red, blink every 3 seconds</li> <li>■ Charge status: charge/ red; full charge/ blue</li> <li>■ ( Charge status takes priority over Power on status )</li> </ul>	
Power Button	<ul style="list-style-type: none"> <li>■ On/ Off: Programmable Power Buttons to Chrome</li> <li>■ Press power button down for 8~10 seconds to power off system</li> </ul>	

OS	<ul style="list-style-type: none"> <li>■ Chrome OS</li> </ul>	
Function Key	<ul style="list-style-type: none"> <li>■ T1 : Go to the previous page</li> <li>■ T2 : Refresh the page</li> <li>■ T3 : Full Screen</li> <li>■ T4 : Overview Open the page in full screen mode</li> <li>■ T5 : Screenshot</li> <li>■ T6 : Display Brightness Down</li> <li>■ T7 : Display Brightness Up</li> <li>■ T8 : Mute</li> <li>■ T9 : Speaker Volume Down</li> <li>■ T10 : Speaker Volume Up</li> </ul>	
Measurements	<ul style="list-style-type: none"> <li>■ 6W Dimension: 329.2*219.25*18mm (w/o rubber foot) Weight: 1.40kg (TBD)</li> <li>■ 15W Dimension: 329.2*219.25*18.8mm (w/o rubber foot) Weight: 1.50kg (TBD)</li> </ul> <p>With Touch Panel</p> <ul style="list-style-type: none"> <li>■ 15W Dimension: 329.2*219.25*20.7mm (w/o rubber foot) (TBD) Weight: 1.55kg (TBD)</li> </ul>	
Form Factor	<ul style="list-style-type: none"> <li>■ 180 degree Clamshell</li> </ul>	
Battery Life	<p>Battery Life :</p> <p>8 hours (for 6W w/ 41whr battery)</p> <p>10 hours (for 6W w/ 45whr battery)</p> <p>10 hours (for 15W w/ 55whr battery)</p> <p>***Battery life is based on Google power LoadTest. (<a href="http://www.chromium.org/chromium-os/testing/power-testing">http://www.chromium.org/chromium-os/testing/power-testing</a>). Actual battery life varies by model, configuration, applications, power management settings, operating conditions, and utilized features.</p>	
Certification Design Ready	EMC	<ul style="list-style-type: none"> <li>■ WLAN for CE, FCC</li> </ul>
	RF	<ul style="list-style-type: none"> <li>■ WLAN for CE (RED/SAR), FCC</li> </ul>
	Safety& Environment	<ul style="list-style-type: none"> <li>■ CB</li> <li>■ cTUVus (by request)</li> <li>■ WEEE</li> <li>■ RoHS (Declaration)</li> </ul>
	Design Ready	<ul style="list-style-type: none"> <li>■ Energy Star V9.0 (TBD)</li> <li>■ Erp Lot 6</li> </ul>
Validation	<ul style="list-style-type: none"> <li>■ Drop test MIL-STD-810H (76cm)</li> <li>■ Water Resistance 300cc on keyboard / 200cc touchpad</li> </ul>	