

DATA SHEET FOR PT-86MU SERIES

Item	Model	PT – 86MU
Panel	LCD Size Diagonal	85.60"
	LCD Brand	LG
	Panel type	IPS Ultra HD
	Backlight type	D-LED
	Panel Resolution	3840*2160 (pixels)
	Screen Orientation	Landscape
	Brightness	450cd/m ² (min)
		500cd/m ² (typ.)
	Contrast Ratio(typ)	15000:1 (typ.)
	Response Time(ms)	8ms (typ.)
	Pixel Pitch	0.4935mm*0.4935mm
	Aspect Ratio	16:9
	Frame rate	60Hz
	View angle	178°(H) / 178°(V)
	Life Time	50,000 hrs (min.)
	View area	1895.48mm*1065.96mm
	Display Colors	1.07B(8bit+FRC)
	Bonding technology	Tempered glass and OC gap close to 0 (Zero Bonding)
	Touch technology	Advanced Infra-red Touch frame
	Touch mode	T80
	Anti-glare AG	Standard : high transparent+ smooth+Anti-glare

Touch System	Tempered Glass	Toughened Glass 4mm grade MoHS 9
	Touch precision	32768*32768
	Number of touch points (standard)	40 Points (Android only 20 ,which limited by the Android system ,not our touch frame technology)
	Glass Transmission	>92%
	Writing height	3.0mm
	Minimum Touch Object	Single touch $\geq 1.6\text{mm}$ Multiple touch $\geq 2.0\text{mm}$
	Touch Accuracy	$\pm 1\text{mm}$ (middle Over 90% area)
	Response Time	$\leq 5\text{ms}$
	Output Mode	HID standard
	Touch Height	average $\leq 2\text{mm}$,lowest is 1.2mm
	Driver	Plug and Play
	Touch tool	Finger or touch pen or other solid(soft tip) object
	Theory Clicks	Unlimited
	Windows 10/8/7,Android	Multiple touch 40
	Windows XP ,Linux ,Mac OSX ,Chrome	Single Touch Apple computers can support muiteple points after downloading the UPDD driver ,we can offer free)
Touch Frame Electrical Characteristics	Support Pen protocol 2.0	Windows Whiteboard 2.0 support thick and thin pens Automatic identification
	Recognition level of thick and thin pens Android	4 Grades :3mm/8mm/ 12mm fine eraser /25mm eraser
	Support Dual USB output ports, Plug and Play	USB2.0+USB2.0
	Communication type	USB2.0 Full speed
	Power supply	USB power
	Voltage	DC+5V $\pm 5\%$
	Power Consumption	$\leq 2\text{W}$
	Light resistance	Available
	Static Level	EN 6100-4-2 2008: 3 Level, Air discharge 8KV

Mother board	Solution	A311D2
	CPU	Architecture ARM CortexA73*4+A53*4 (Quad core A73+ Quad core A53)
		Max 2.2GHz for big and 2.0GHz for little
		Core: CortexA73*4+A53*4 OCTA Core
	GPU	MaliG52 MP8
	RAM/ROM	8G/128G
	OS	Android 14
Support operating system	Built-in system	Android
	OPS system OPS	Windows 7/8/10/11
Compatible system	Compatible system	Windows 7/8/10 ,XP ,Linux,MAC OS, Android
Wi-Fi Standard	Main Chipset	Mediatek MT7663BU WiFi+BT module MT7663BU (IEEE 802.11a/b/g/n/ac) Bluetooth v5.1 2T2R 2.4GHz/5GHz WIFI+B/T antenna on board (10pin 1.25mm) (200×19×5.5mm) 5V
	Operating Frequency	Dual band 2.4GHz/5GHz
	WiFi Standard	802.11 a/b/g/n/ac
	Bluetooth	2.1+EDR/4.2/5.1
Dual Wi-Fi Module Optional	Main Chipset	Mediatek MT7663BU+Realtek RTL8822BU One as WiFi , the other one could be Hotspot
	Operating Frequency	Dual band 2.4GHz/5GHz
	WiFi Standard	802.11 a/b/g/n/ac
	Bluetooth	2.1+EDR/4.2/5.1
WiFi 6 Box Optional WiFi 6	Main Chipset	AP6275P solution : Intel(R) Wi-Fi 6 AX201 160Mhz:PCIE protocol To as WiFi and Hotspot simultaneously
	Operating Frequency	2.4GHz/5GHz /6GHz
	WiFi Standard	802.11 ax/b/g/n/ac
	Bluetooth	2.1+EDR/4.2/5.2
SD card Slot Available	SD card	64G
	SD card	128G
	Standard	Speaker:8Ω /16W*2:200Hz - 20kHz

Audio Output Power	Optional subwoofer	Speaker change to be Speaker+subwoofer: 2*8Ω /16W Speaker : 200Hz - 20kHz , 4Ω 16W Subwoofer : 20Hz - 200Hz
	Optional	Speaker:8Ω /20W*2:200Hz - 20kHz
Special Features	Google playstore	Yes
	Versatile Annotate	Yes (all pages)
	Gesture Eraser	Yes
	Radix-MDM Apk VISO Radix	Yes
	Smart Writing App S-Write	Yes(support import video ,broswer ,PDF)(many tools like rule,protractor ,sticky note)
	Thin/Thick pen auto recognition	Yes
	QR code share	Yes
	File Manager	Yes
	Wall paper	Yes
	Welcome page	Yes (support Adding music)
	Countdown	Yes
	Stopwatch	Yes
	Calculator	Yes
	Vote	Yes
	Screenshot	Yes
	Shot (screen recording)	Yes
	Eye-Protective	Yes
	Touch lock	Yes
	Touch voice	Yes
	Spotlight	Yes
	Centralized control	Yes
	Double LAN bridging LAN	Yes

	Public USB port auto switch Public USB	Yes
	Type-C Front Type-C port	Standard :PD 65W+DPalt mode+Touch+Data
	Anti-burn screen	Yes
	Half-screen mode	If the student is not too tall, or a wheelchair, the half-screen will be useful.
	—1 & +1 screen	There are two more screens you can swipe left or right to get it.
	Multi-windows	Yes
	Fast file transfer	Yes
	Casting for Android IOS MAC,Windows,Chrome	Yes
Language	OSD Standard	English
	OSD Optional	Other 20 languages
Front Frame Port	Follow-USB 3.0 (Android&Windows)	*2
	HDMI 2.0	*1
	Touch USB	*1
	Type-C	*1
Down Side Port (Android)	AUDIO IN	*1
	VGA	*1
	LAN IN/OUT	*1
	RS232	*1
	MIC IN	*1
	HDMI OUT	*1
	AUDIO OUT	*1
	SPDIF	*2
	Touch-USB	*1
	DP_IN	*1
	Touch-USB	*1

Right Side Port (Android)	HDMI IN 1 2.0	*1
	Touch-USB	*1
	HDMI IN 2 2.0	*1
	Type-C	*1
	USB 2.0	*1
	USB 3.0	*2
Power	Voltage	Standard power board Voltage: 176 V ~ 264 V/AC, 50/60 Hz Optional:100 V ~ 240 V/AC, 50/60 Hz
	Maximum (Watt) (OPS)	380W
	Standby (Watt)	<0.5W
	OPS Power OPS	18V(DC)/5A
	Power(AC) Input	*1
Environment	Working Temperature	0°C ~ 40°C
	Storage Temperature	Minus 10°C ~ 60°C
	Working Humidity	20% ~ 80% RH Non-Condensing
	Storage Humidity	10% ~ 60% RH Non-Condensing
	Image mode	Standard/Soft/Users/Bright
	MAX working time (Hour/Day)	18hours/7days
Structure	Product Size (mm) (W x D x H)	1967.8x87.7 x1169.9mm
	Package Size (mm) (W x D x H)	2095x185 x1265mm
	N.W	65.5Kg±1.5Kg
	G.W	77Kg±1.5Kg
	Case Material	Aluminum/Sheet Metal
	Housing color	Standard black
	Four even bezel (T/B/L/R)	T/L/R:14mm , D:48.3mm

	VESA	4-M6 Screw hole 600mm*400mm
Accessories	Remote Control	*1
	Power Cord(3M)	*1
	USB Cable(3M)USB (A-B)	*1
	HDMI Cable(3M)HDMI	*1
	Touch Pen New Nano PET one	*2
	Qualified Lable	*1
	User Manual Electronic documents	*1
	Warranty Card	*1
	Wall Mount	*1
	Removable Base Stand (Optional)	*1