



Slim and Robust Commercial All-In-One Touch **eTILE15312**

AOPEN eTILE15312 is a slim, commercial all-in-one interactive touch display designed for kiosk applications. It features a 10-point multi-touch screen for smooth, responsive interaction. The device adopts an IPR (Interfered Protection Resin) design for IK07 compliance, combined with a durable metal chassis for a robust embedded structure. A hidden keypad, IP65-rated dust- and water-proof protection, and a 1920×1080 (FHD) panel make it a reliable choice for demanding kiosk enclosure applications.

The eTILE15312 features:

- Powered by Intel® Alder Lake-N processor
- Fanless design
- Support 10-point touch
- Metal chassis with IK07 and IP65 grade front panel protection
- Multiple I/O ports: USB 3.2 and RS232 for enhanced expandability
- FHD resolution with a wide viewing angle



eTILE15312



Model name		eTILE15312		
Housing Material		Metal		
Dimension	W x H x D (mm)	397.1 x 246.6 x 37 mm		
	W x H x D (inch)	15.63 x 9.71 x 1.46 inch		
Weight		3.2 kgs/7.06 lbs		
CPU		N100/i3-N300		
Chipset		CPU Build-in		
Memory	Channel	Dual Channel		
	Type	DDR5 SO-DIMM x 1		
	Data rate	4800 MHz		
	Max Memory	16GB (default 8G x1)		
Graphics		Intel® HD Graphics		
Resolution		15.6" 1920 x 1080 (16:9)		
Max Brightness		250 nits		
Panel Type		TFT (Thin Film Transistors)		
View Angle (CR>10)		178°/178°		
Response time		25ms		
Contrast Ratio		1000:1		
Touch		PCT support 10 points		
Expansion Slot		1 x M.2 (Key M, 2280) for SSD 1 x M.2 (Key E, 2230) for wifi 1 x M.2 (Key B, 2242) for LTE		
Audio		Realtek ALC256 2 Channel		
LAN		Intel® I226V with 10/100/1000/2500 Mbps		
Storage		M.2 128G SSG		
Storage Bay		-		
Front Camera		5M Webcam (i3-n300 model; N100 model optional)		
Side Panel I/O	Power Button	x 1		
	Brightness Up	x 1		
	Brightness Down	x 1		
	HDD Indicator	x 1		
System I/O	DC Jack	x 1		
	HDMI Out Port	x 1		
	USB 2.0 Port	x 2		
	USB 3.2 Port	x 2		
	RS232 Serial Port	x 1		
	Audio Set	Line-out	x 1	
		Mic-in	x 1	
	AiCU I/O	N/A		
	Others	N/A		
	Watchdog Timer	1 ~ 255 SEC./min		
IP Level / IK Level compliance	Front IP65/Rear IPX2/IK07			
Adapter	90W (19V, 4.74A) AC Adapter			
Input Voltage	AC 100 ~ 240V			
Environment				
MTBF	50,000hrs			
Operating Temperature	0 ~40°C (32 ~ 104°F)			
Storage Temperature	-20 ~ 60°C (-4 ~ 140°F)			
Relative Humidity	90% RH (40°C non-Condensing)			



Windows 10 IoT or above



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