



Slim and Robust for Kiosk

18.5" Commercial All-In-One Touch

eTILE19312

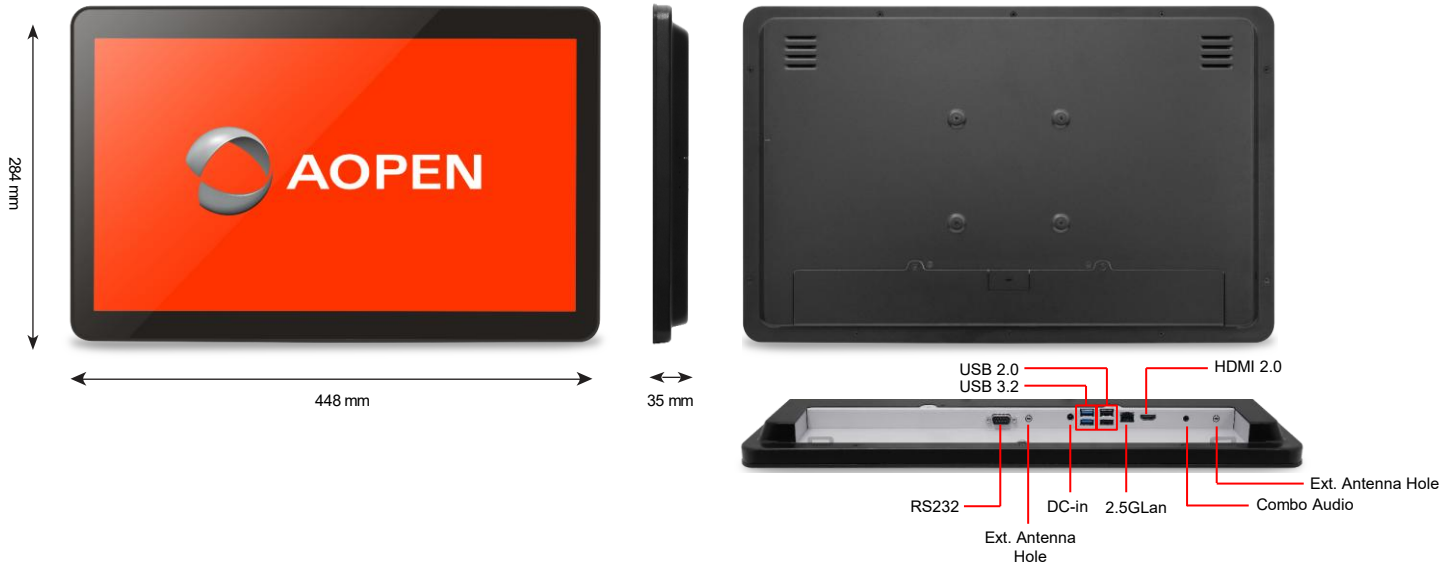
AOPEN eTILE19312 is a slim, commercial all-in-one interactive touch display designed for kiosk applications. It features a 10-point multi-touch screen for smooth, responsive interaction. The device adopts an IPR (Interfered Protection Resin) design for IK07 compliance, combined with a durable metal chassis for a robust embedded structure. A hidden keypad, IP65-rated dust- and water-proof protection, and a 1366×768 (WXGA) panel make it a reliable choice for demanding kiosk enclosure applications.

The eTILE19312 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
- WXGA resolution with a wide viewing angle



eTILE19312



Model name		eTILE19312
Housing Material		Metal
Dimension	W x H x D (mm)	448 x 284 x 35 mm
	W x H x D (inch)	17.63 x 11.18 x 1.38 inch
Weight		4.5 kgs/9.92 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		18.5" 1366 x 768 (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



Windows 10 IoT or above

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		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)



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