

APEXA® CORE

APEXA® CORE is the next generation of APEXA®. With its sophisticated sense in a modern and contemporary style, APEXA® CORE offers fast and easy access and convenient upgrades with plenty of I/O ports to accommodate many options.



APEXA® CORE Features



Ultra thin bezel



High performance



Fast and easy maintenance



External I/O box

APEXA® CORE System

	APEXA CORE AP	APEXA CORE AN	APEXA CORE EL(12V)	APEXA CORE EL(24V)
System				
Windows				
Processors	Intel® Core™ i5-1235U Processor 12M Cache, up to 4.40 GHz Intel® Core™ i3-1215U Processor 10M Cache, up to 4.40 GHz	Intel® Processor N97 6M Cache, up to 3.60 GHz	Intel® Celeron® Processor J6412 1.5M Cache, up to 2.60 GHz	
Chipset	Intel® Alder Lake-P	Intel® Alder Lake-N	Intel® Elkhart Lake	
Memory	4GB Standard, DDR4 3200 MT/s, Socket 1 x SODIMM (Max. 64GB)	4GB Standard, DDR4 3200 MT/s, Socket 1 x SODIMM (Max. 16GB)	4GB Standard, DDR4 3200 MT/s, Socket 1 x SODIMM (Max. 32GB)	
Storage	1. Form Factor NVMe M.2 2242-D2-M (No capacity limit.) 2. Mountable quantity: Up to 2 units can be installed. * Factory Default : NVMe M.2 2242 128GB x 1			
RAID	RAID 0,1	-		
Operating Systems	Windows 10 version 21H1 or higher		Windows 10 IoT Enterprise LTSC	
Audio	HD Audio Codec			

APEXA® CORE



Superior performance



Powerful performance

APEXA® CORE Display

15.6"



15"



	APEXA CORE AP	APEXA CORE AN	APEXA CORE EL(12V)	APEXA CORE EL(24V)
Display				
	APEXA CORE AP-1560	APEXA CORE AN-1560	APEXA CORE EL-1560	APEXA CORE EL-1560
Type	15.6" FHD TFT LCD, LED Backlight			
Resolution	1920 x 1080			
Brightness	300 cd/m ² (typ.)			
Touchscreen	Projected Capacitive Touch, AF			
	APEXA CORE AP-1500	APEXA CORE AN-1500	APEXA CORE EL-1500	APEXA CORE EL-1500
Type	15" TFT LCD, LED Backlight			
Resolution	1024 x 768			
Brightness	350 cd/m ² (typ.)			
Touchscreen	Projected Capacitive Touch, AF			

APEXA® CORE Interface

	APEXA CORE AP	APEXA CORE AN	APEXA CORE EL(12V)	APEXA CORE EL(24V)
Interface				
Display	2 x Displayport(MiniDP, USB-C (Alt mode))			
USB	External 8 Rear 4 (USB 3.0 x 2, USB 2.0 x 1, USB C type x 1) Back 4 (USB 2.0 x 4) Internal 2 (USB 2.0 x 2, Reserved for MSR/SCR)		External 10 Rear 4 (USB 3.0 x 2, USB 2.0 x 1, USB C type x 1) Back 6 (USB 2.0 x 4, Powered USB 12V x 1, Powered USB 24V x 1) Internal 2 (USB 2.0 x 2, Reserved for MSR/SCR)	
Serial	External 5 Rear 4 (COM1 RJ45, with 5V/12V Power Output on Pin 6, BIOS) (COM2~3 RJ-45, Full Signal) (COM5 Only TX/RX, Reserved for CDP) Back 1 (COM6 RJ-45, Full Signal) Internal 1 (COM4 Only TX/RX, Reserved for MSR/SCR)		External 4 Rear 3 (COM1 RJ45, with 5V/12V Power Output on Pin 6, BIOS) (COM2~3 RJ-45, Full Signal) (COM5 Only TX/RX, Reserved for CDP) Internal 1 (COM4 Only TX/RX, Reserved for MSR/SCR)	
CashDrawer Port	RJ-12 x 1 (Integrated circuit GPIO)			-
LAN	Gigabit Ethernet x 1, RJ-45			
Audio	Line-out x 1			
Power DC-IN	4 Pin DIN Jack			3 Pin DIN Jack
Extension Slot	M.2 x 2 for WiFi/BT, SSD			
Power				
Power Supply	12V, 5A			24V, 2.5A

APEXA® CORE I/O Ports

FRONT

CashDrawer USB X 4 COM5

REAR

USB LAN DC IN (24V or 12V available) COM3 COM2 USB-C USB POWER SW COM1 MINI DP

DCIN Voltage		+24V	+12V
USB	USB 2.0	x 4	x 4
	+24V Powered USB	x 1	NO
	+12V Powered USB	x 1	NO
Serial	RJ45	NO	x 1
CashDrawer	RJ12	NO	x 1

APEXA® CORE Physical & Environmental

	APEXA CORE AP	APEXA CORE AN	APEXA CORE EL(12V)	APEXA CORE EL(24V)
Physical & Environmental				
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity			
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity			
	APEXA CORE AP-1560	APEXA CORE AN-1560	APEXA CORE EL-1560	APEXA CORE EL-1560
Dimensions (W x D x H)	(W)372 x (D)206 x (H)301 (mm), (W)14.6 x (D)8.11 x (H)11.85 (in)			
Packing Dimensions (W x D x H)	(W)435 x (D)165 x (H)485 (mm), (W)17.12 x (D)6.50 x (H)19.09 (in)			
Net Weight	3.4kg, 7.58lbs			
Packing Weight	4.5kg, 9.92lbs			
Certification	CE, FCC, KC			
Color	Dark Grey, White			
	APEXA CORE AP-1500	APEXA CORE AN-1500	APEXA CORE EL-1500	APEXA CORE EL-1500
Dimensions (W x D x H)	(W)351 x (D)206 x (H)308 (mm), (W)13.8 x (D)8.11 x (H)12.0 (in)			
Packing Dimensions (W x D x H)	(W)435 x (D)165 x (H)485 (mm), (W)17.12 x (D)6.50 x (H)19.09 (in)			
Net Weight	4.4kg, 9.72lbs			
Packing Weight	5.5kg, 12.12lbs			
Certification	CE, FCC, KC			
Color	Dark Grey, White			

APEXA® CORE Options & Peripherals

	APEXA CORE AP	APEXA CORE AN	APEXA CORE EL(12V)	APEXA CORE EL(24V)
Options & Peripherals				
2nd Displays	9.7" (1024 x 768), 10.1" (1280X800), 15"(1024X768) LCD Display, Optional Touchscreen			
Customer Display	VFD, 20 Columns x 2 Lines			
External IO BOX	<ul style="list-style-type: none"> - Option 1 : 12V Powered USB 2.0 x2 / 24V Powered USB 2.0 x1 / RJ45 x 2 (Full Signal) - Option 2 : 12V Powered USB 2.0 x1 / 24V Powered USB 2.0 x1 / USB 2.0 x 2 / RJ45 x 2 (Full Signal) - Option 3 : 12V Powered USB 2.0 x1 / USB 2.0 x 4 / RJ45 x 2 (Full Signal) - Option 4 : USB 2.0 x 6 / RJ45 x 2 (Full Signal) One option attachable at a time			
Storage	NVMe M.2 128G			
Magnetic Stripe Reader	Comply with ISO 7811, Support 1 & 2 & 3 Track			
Smart Card Reader	EMV Level 1			
Dallas	Dallas i-button Reader			
Fingerprint	Yes			
Wall Mount Kit	VESA-Compatible, 75 x 75(mm), 100 x 100(mm)			
Serial Conversion Cable	RJ-45 to D-sub 9			
Speaker	2 x 1W (Stereo) (Factory Option)			
WiFi / BT	M.2 for WiFi / BT			
TPM	Support			

*Specifications may change without prior notice.