

APEXA CORE

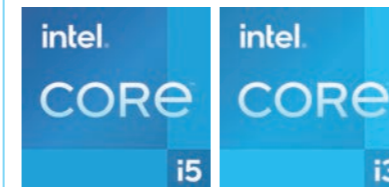
APEXA CORE is the next generation of APEXA. As APEXA CORE is equipped with the latest Intel® Core™ and Celeron® processor, it provides superior performance for retail and hospitality industry. With its sophisticated sense in a modern and contemporary style, APEXA CORE offers fast and easy access to SSD and RAM for convenient upgrades with plenty of I/O ports to accommodate many options.



APEXA CORE System

APEXA CORE		
System	APEXA CORE TL	APEXA CORE EL
Processors	Intel® Core™ i5-1135G7 Processor 8M Cache, up to 4.20 GHz Intel® Core™ i3-1115G4 Processor 6M Cache, up to 4.10 GHz	Intel® Celeron® Processor J6412 1.5M Cache, up to 2.60 GHz
Chipset	Intel® Tiger Lake	Intel® Elkhart Lake
Memory	4GB Standard, DDR4 3200 MT/s, 1 x Socket 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	
RAID	RAID 0,1	-
Operating Systems	Windows 10 IoT Enterprise LTSC	
Audio	HD Audio Codec	

APEXA CORE TL



Superior performance

Intel® Core™ offers the latest Intel® CPU, 11th Gen. Tiger Lake that provides enhanced speed and superior performance. It fulfils customers' diverse business environments and needs.

APEXA CORE EL



Powerful Performance

Featuring Intel® Celeron® Elkhart Lake, the latest high performance processors, it can serve customers faster at increased speed with efficiency while improving the customer checkout experience.

APEXA CORE Display

15.6"



15"



APEXA CORE		
Display	APEXA CORE TL- 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	
Display	APEXA CORE TL- 1500	APEXA CORE EL- 1500
Type	15" TFT LCD, LED Backlight Interface : LVDS or eDP	
Resolution	1024 x 768	
Brightness	300 cd/m ² (typ.)	
Touchscreen	Projected Capacitive Touch	

APEXA CORE I/O Ports

FRONT

CashDrawer USB X 4 COM5

REAR

USB LAN DC IN (24V or 12V available) COM3 USB-C USB USB COM1
COM2 POWER SW 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-COM5	NO	x 1
CashDrawer	RJ12	NO	x 1

APEXA CORE Interface

APEXA CORE		
Interface	APEXA CORE TL- 1560 (24V)	APEXA CORE EL- 1560 (24V)
Display	2 x Displayport(MiniDP/USB-C Altmode)	
USB	Front 6, Rear 4 6 (4 x USB 2.0, 1 x 24V Powered USB, 1 x 12V Powered USB) 4 (2 x USB 3.0, 1 x USB 2.0, 1 x USB-C)	
Serial	5 (COM1 RJ45 , with 5V / 12V Power Output on 6 Pins, BIOS) (COM2~3 RJ-45 , Full Signal) (COM4 MiniDP, Only TX / RX, 12V Power Output, Reserved for CDP) (COM6 PinHeader, Only TX / RX, 5V Power Output, Reserved for MSR)	
CashDrawer Port	-	
LAN	1 x Gigabit Ethernet (RJ-45)	
Audio	1 x Line-out	
Power DC-IN	3 Pin DIN Jack	
Extension Slot	M.2 x 2 for WiFi / BT, SSD	
Interface	APEXA CORE TL- 1560 (12V)	APEXA CORE EL- 1560 (12V)
Display	2 x Displayport(MiniDP/USB-C Altmode)	
USB	Front 4, Rear 4 4 (4 x USB 2.0) 4 (2 x USB 3.0, 1 x USB 2.0, 1 x USB-C)	
Serial	6 (COM1 RJ45 , with 5V / 12V Power Output on 6 Pins, BIOS) (COM2~3 RJ-45 , Full Signal) (COM4 MiniDP, Only TX / RX, 12V Power Output, Reserved for CDP) (COM5, Full Signal) (COM6 PinHeader, Only TX / RX, 5V Power Output, Reserved for MSR)	
CashDrawer Port	1 x RJ-11 (GPIO Communication)	
LAN	1 x Gigabit Ethernet (RJ-45)	
Audio	1 x Line-out	
Power DC-IN	4 Pin DIN Jack	
Extension Slot	2 x M.2 for WiFi / BT, SSD	

APEXA CORE Interface | Physical & Environmental

APEXA CORE		
Interface		
	APEXA CORE TL- 1500 (24V)	APEXA CORE EL- 1500 (24V)
Display	2 x Displayport(MiniDP/USB-C Altmode)	
USB	Front 6, Rear 4 6 (4 x USB 2.0, 1x 24V Powered USB, 1x 12V Powered USB) 4 (2 x USB 3.0, 1x USB 2.0, 1 x USB-C)	
Serial	5 (COM1 RJ45 , with 5V / 12V Power Output on 6 Pins, BIOS) (COM2~3 RJ-45 , Full Signal) (COM4 MiniDP, Only TX / RX, 12V Power Output, Reserved for CDP) (COM6 PinHeader, Only TX / RX, 5V Power Output, Reserved for MSR)	
CashDrawer Port	-	
LAN	1 x Gigabit Ethernet (RJ-45)	
Audio	1 x Line-out	
Power DC-IN	3 Pin DIN Jack	
Extension Slot	2 x M.2 for WiFi / BT, SSD	
	APEXA CORE TL- 1500 (12V)	APEXA CORE EL- 1500 (12V)
Display	2 x Displayport (MiniDP/USB-C Altmode)	
USB	Front 4, Rear 4 4 (4 x USB 2.0) 4 (2 x USB 3.0, 1x USB 2.0, 1 x USB-C)	
Serial	6 (COM1 RJ45 , with 5V / 12V Power Output on 6 Pins, BIOS) (COM2~3 RJ-45 , Full Signal) (COM4 MiniDP, Only TX / RX, 12V Power Output, Reserved for CDP) (COM5, Full Signal) (COM6 PinHeader, Only TX / RX, 5V Power Output, Reserved for MSR)	
CashDrawer Port	1 x RJ-11 (GPIO Communication)	
LAN	1 x Gigabit Ethernet (RJ-45)	
Audio	1 x Line-out	
Power DC-IN	4 Pin DIN Jack	
Extension Slot	M.2 x 2 for WiFi / BT, SSD	
Power		
	APEXA CORE TL- 1560 / 1500 (24V)	APEXA CORE EL- 1560 / 1500 (24V)
Power Supply	Adapter 24V, 2.5A (Normal) / 24V, 6.35A(EXT IO BOX Option)	
	APEXA CORE TL- 1560 / 1500 (12V)	APEXA CORE EL- 1560 / 1500 (12V)
Power Supply	Adapter 12V, 5A (Normal) / 24V, 6.35A(EXT IO BOX Option)	
Physical & Environmental		
	APEXA CORE TL- 1500 / 1560	APEXA CORE EL- 1500 / 1560
Operating Temperature	0 °C ~ 60 °C at 10% to 90% Humidity	
Storage Temperature	-20 °C ~ 80 °C at 10% to 90% Humidity	
Dimensions (W x H x D)	TBD	
Packing Dimensions (W x H x D)	TBD	
Net Weight	TBD	
Packing Weight	TBD	
Certification	TBD	
Color	TBD	

APEXA CORE Options & Peripherals

APEXA CORE		
Options & Peripherals		
	APEXA CORE TL- 1560	APEXA CORE EL- 1560
2nd Displays	9.7" / 10.1" / 13.3"	
Customer Display	VFD, 20 Columns x 2 Lines	
External IO BOX	Support only 12V	
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	
	APEXA CORE TL- 1500	APEXA CORE EL- 1500
2nd Displays	9.7" / 10.1" / 13.3"	
Customer Display	VFD, 20 Columns x 2 Lines	
External IO BOX	-	
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.