

ASCENT

15.1" POS Terminal



Key points

Low-Profile and Versatile Design

The space-efficient and angular design presents an aesthetically pleasing look for any environment.

Rich I/O

Onboard Ethernet, Wi-Fi® and Bluetooth® and a host of retail-specific ports provide extensive device and network connectivity.

Modular Peripheral Support

Bezel-mounted peripheral options allow you to seamlessly add device functionality to meet your specific needs.

Performance and Longevity

Long-life 11th generation Intel® processors give you the power needed to efficiently operate your business applications for years to come. Optional Windows® 11 IoT operating systems ensure 10 years of OS-level support.

Simplified Service and Expansion

Easy access to memory and storage compartments and a technician-friendly front USB port simplify service and support and maximize uptime.



Markets

Retail
Hospitality
Grocery
C-Store
Entertainment
Gaming, Lottery and Betting
Parking

The highly reliable and extremely versatile Ascent POS terminal is **the perfect solution for empowering transactions at the point of sale**. Compact and sleek, the Ascent adds a touch of style to any countertop. Whether retail or restaurant, supermarket or convenience store, the Ascent is powered by long-life 11th generation Intel processors that provide high performance and longevity for any application and use case. Extensive I/O, easy upgradeability and an assortment of bezel-attached peripherals deliver limitless configurability and flexibility. Retail-hardened and backed by Custom's warranty support, the Ascent is **built to withstand the rigors of any retail environment**.



Models

Intel® Core i5-1145G7E
Intel® Celeron J6412

ASCENT - 15.1" POS Terminal



Features

Ascent 15.1-inch

Processor	Intel® Core i5-1145G7E	Intel® Celeron J6412
Memory	8GB DDR4 (Standard Model) / 16GB DDR4 (Premium Model)	8GB DDR4
Storage	256GB SSD (M.2)	128GB SSD (M.2)
Supported OS	Windows® 10 IoT, Windows® 11 IoT, Windows® 11 Pro, Linux	
TPM Module (MB)	TPM 2.0	
I/O	1x USB-A 2.0 (front), 4x USB-A 3.0, 2x USB-A 2.0, 1x USB-C 3.0, 3x RJ48 (w/ 2x RJ48 to DB9 cables) 1x RJ45, 1x RJ11, 1x FeDP, 1x 4PIN (w/ latch)	1x USB-A 2.0 (front), 2x USB-A 3.0, 4x USB-A 2.0, 1x USB-C 3.0, 3x RJ48 (w/ 2x RJ48 to DB9 cables) 1x RJ45, 1x RJ11, 1x FeDP, 1x 4PIN (w/ latch)
Powered USB	2x Powered USB 12V (Premium Model), 1x Powered USB 24V (Premium Model)	
Wireless LAN+BT	Wifi6+BT5.2 (M.2) (Standard and Premium Model)	
Size and Resolution	15.1" (1024x768)	
Touch Technology	True-Flat PCAP multi-touch	
Brightness	500 NITS	
Speaker	1x 3W	
Camera	5MP Front Camera (Embedded) (Premium Model)	
Power Supply	120W/19V	65W/19V or 120W/19V w/ PUSB
EMC and Safety	FCC Class A, CE Mark Class A, LVD	
Operating Temp.	0°C ~ 35°C (32°F ~ 95°F)	
Storage Temp.	-20°C ~ 60°C (-4°F ~ 140°F)	
Humidity	20% ~ 85% RH non-condensing	
Dimensions	326 mm (W) x 270 mm (H) x 261 mm (D) (w/ Collapsible Stand)	
Weight	4 kg (stand + screen) or 6 kg with packaging and included cables	
VESA Mount	100x100mm	



Available models

P/N	Description
935KY460T00L33	Ascent 15.1 Value,Cel,8/128,No OS
935KY460U00L33	Ascent 15.1 Std,Cel,8/128,No OS,Wifi
935KY460V00L33	Ascent 15.1 Prem,Cel,8/128,No OS,Wifi
935KY460W00L33	Ascent 15.1 Value,Cel,8/128,Win10IoT
935KY460X00L33	Ascent 15.1 Std,Cel,8/128,Win10IoT,Wifi
935KY460Y00L33	Ascent 15.1 Prem,Cel,8/128,Win10IoT,Wifi
935KY460Z00L33	Ascent 15.1 Value,Cel,8/128,Win11Pro
935KY461000L33	Ascent 15.1 Std,Cel,8/128,Win11Pro,Wifi
935KY461100L33	Ascent 15.1 Prem,Cel,8/128,Win11Pro,Wifi
935KY461200L33	Ascent 15.1 Value,i5,8/256,No OS
935KY461300L33	Ascent 15.1 Std,i5,8/256,No OS,Wifi
935KY461400L33	Ascent 15.1 Prem,i5,16/256,No OS,Wifi
935KY461500L33	Ascent 15.1 Value,i5,8/256,Win10IoT
935KY461600L33	Ascent 15.1 Std,i5,8/256,Win10IoT,Wifi
935KY461700L33	Ascent 15.1 Prem,i5,16/256,Win10IoT,Wifi
935KY461800L33	Ascent 15.1 Value,i5,8/256,Win11Pro
935KY461900L33	Ascent 15.1 Std,i5,8/256,Win11Pro,Wifi
935KY461A00L33	Ascent 15.1 Prem,i5,16/256,Win11Pro,Wifi
935KY461E00L33	Ascent 15.1 Value,Cel,8/128,Win11IoT
935KY461F00L33	Ascent 15.1 Std,Cel,8/128,Win11IoT,Wifi
935KY461G00L33	Ascent 15.1 Prem,Cel,8/128,Win11IoT,Wifi
935KY461S00L33	Ascent 15.1 Value,i5,8/256,Win11IoT
935KY461T00L33	Ascent 15.1 Std,i5,8/256,Win11IoT,Wifi
935KY461U00L33	Ascent 15.1 Prem,i5,16/256,Win11IoT,Wifi



Accessories

P/N	Description
932AD050100002	11.6" SECOND DISPLAY TOUCH
932AD050100003	LCM CUSTOMER DISPLAY
932AD050100004	LCM (VESA) CUSTOMER DISPLAY
938KY460000001	FINGERPRINT READER
938KY460000002	3 TRACK MSR
938KY460000003	IBUTTON

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