

ASCENT

POS Terminal



Key points

Low-Profile and Versatile Design

Whether oriented in landscape or portrait, the space-efficient and angular design presents an aesthetically pleasing look for any environment.

Rich I/O

Onboard Ethernet, WiFi 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 10 IoT and Windows 11 IoT (when released) 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 three-year warranty, the Ascent is **built to withstand the rigors of any retail environment**.

Models

Intel® Celeron J6412
Intel® Core i5-1145G7E

 **Features**

Ascent 15.6-inch

Processor	Intel® Celeron J6412	Intel® Core i5-1145G7E
Memory	8GB DDR4	8GB DDR4 (Standard Model)/16GB DDR4 (Premium Model)
Storage	128GB SSD (M.2)	256GB SSD (M.2)
Supported OS	Windows 10 IoT, Windows 11 Pro, Windows 11 IoT (when released), Linux	
TPM Module (MB)	TPM 2.0	
I/O	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)	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)
Powered USB	2x Powered USB 12V, 1x Powered USB 24V (Premium Model)	
Wireless LAN+BT	WiFi6+BT5.2 (M.2) (Standard and Premium Models)	
Size and Resolution	15.6" (1920x1080)	
Touch Technology	True-Flat PCAP multi-touch	
Brightness	500 NITS	
Speaker	1x3W	
Camera	5MP Front Camera (USB) (Premium Model)	
Power Supply	65W/19V or 120W/19V w/ PUSB	120W/19V
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	367.8 mm (W) x 265.2 mm (H) x 232.7 mm (D) (w/ Collapsible Stand)	
Weight	3.5 kg (stand + screen) or 5 kg with packaging and included cables	
VESA Mount	100x100mm	

 **Available models**

P/N	Description
935KY460D00L33	ASCENT 15.6" VALUE CEL NO OS 8/128
935KY460E00L33	ASCENT 15.6" VALUE CEL WIN10IOT 8/128
935KY460F00L33	ASCENT 15.6" VALUE CEL WIN11PRO 8/128
935KY460I00L33	ASCENT 15.6" STANDARD CEL 8/128 NO OS
935KY460J00L33	ASCENT 15.6" STANDARD CEL 8/128 WIN10IOT
935KY460K00L33	ASCENT 15.6" STANDARD CEL 8/128 WIN11PRO
935KY460L00L33	ASCENT 15.6" PREMIUM CEL 8/128 NO OS
935KY460M00L33	ASCENT 15.6" PREMIUM CEL 8/128 WIN10IOT
935KY460N00L33	ASCENT 15.6" PREMIUM CEL 8/128 WIN11PRO
935KY460O00L33	ASCENT 15.6" VALUE I5 NO OS 8/256
935KY460P00L33	ASCENT 15.6" VALUE I5 WIN10IOT 8/256
935KY460Q00L33	ASCENT 15.6" VALUE I5 WIN11PRO 8/256
935KY460R00L33	ASCENT 15.6" STANDARD I5 8/256 NO OS
935KY460S00L33	ASCENT 15.6" STANDARD I5 8/256 WIN10IOT
935KY460T00L33	ASCENT 15.6" STANDARD I5 8/256 WIN11PRO
935KY460U00L33	ASCENT 15.6" PREMIUM I5 16/256 NO OS
935KY460V00L33	ASCENT 15.6" PREMIUM I5 16/256 WIN10IOT
935KY460W00L33	ASCENT 15.6" PREMIUM I5 16/256 WIN11PRO

Accessories

P/N	Description
932AD050100002	11.6" SECOND DISPLAY TOUCH FOR ASCENT
932AD050100003	LCM CUSTOMER DISPLAY FOR ASCENT TERMINAL
932AD050100004	LCM (VESA) CUSTOMER DISPLAY FOR ASCENT
938KY460000001	FINGERPRINT READER FOR ASCENT TERMINAL
938KY460000002	3 TRACK MSR FOR ASCENT TERMINAL
938KY460000003	IBUTTON FOR ASCENT TERMINAL
938KY450000009	PEAK FeDP to HDMI Cable