

ASCENT

15.6" 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 – 15.6" POS Terminal

Features		Ascent 15.6-inch	
Processor	Intel® Core i5-1145G7E		Intel® Celeron J6412
Memory	16GB DDR4		
Storage	256GB SSD (M.2)		
Supported OS	Windows® 10 IoT, Windows® 11 IoT, 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)
Size and Resolution	15.6" (1920x1080)		
Touch Technology	True-Flat PCAP multi-touch		
Brightness	500 NITS		
Speaker	1x 3W		
Power Supply	120W/19V		65W/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	Dimensions: 368 mm (W) x 265 mm (H) x 233 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 8/128 NO OS
935KY460E00L33	ASCENT 15.6" VALUE CEL 8/128 WIN10IOT
935KY460F00L33	ASCENT 15.6" VALUE CEL 8/128 WIN11PRO
935KY461B00L33	ASCENT 15.6" VALUE CEL 8/128 WIN11IOT
935KY460100L33	ASCENT 15.6" STANDARD CEL 8/128 NO OS
935KY460300L33	ASCENT 15.6" STANDARD CEL 8/128 WIN10IOT
935KY460500L33	ASCENT 15.6" STANDARD CEL 8/128 WIN11PRO
935KY461C00L33	ASCENT 15.6" STANDARD CEL 8/128 WIN11IOT
935KY460200L33	ASCENT 15.6" PREMIUM CEL 8/128 NO OS
935KY460400L33	ASCENT 15.6" PREMIUM CEL 8/128 WIN10IOT
935KY460600L33	ASCENT 15.6" PREMIUM CEL 8/128 WIN11PRO
935KY461D00L33	ASCENT 15.6" PREMIUM CEL 8/128 WIN11IOT
935KY460G00L33	ASCENT 15.6" VALUE I5 8/256 NO OS
935KY460H00L33	ASCENT 15.6" VALUE I5 8/256 WIN10IOT
935KY460J00L33	ASCENT 15.6" VALUE I5 8/256 WIN11PRO
935KY461N00L33	ASCENT 15.6" VALUE I5 8/256 WIN11IOT
935KY460700L33	ASCENT 15.6" STANDARD I5 8/256 NO OS
935KY460900L33	ASCENT 15.6" STANDARD I5 8/256 WIN10IOT
935KY460B00L33	ASCENT 15.6" STANDARD I5 8/256 WIN11PRO
935KY461P00L33	ASCENT 15.6" STANDARD I5 8/256 WIN11IOT
935KY460800L33	ASCENT 15.6" PREMIUM I5 16/256 NO OS
935KY460A00L33	ASCENT 15.6" PREMIUM I5 16/256 WIN10IOT
935KY460C00L33	ASCENT 15.6" PREMIUM I5 16/256 WIN11PRO
935KY461R00L33	ASCENT 15.6" PREMIUM I5 16/256 WIN11IOT



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
938KY450000009	FEDPTO HDMI ADAPTER

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