



ASCENT

POS Terminal

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**.



CHARACTERISTICS

1. **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
2. **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
3. **Rich I/O**
Onboard Ethernet, WiFi and Bluetooth and a host of retail-specific ports provide extensive device and network connectivity
4. **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
5. **Modular Peripheral Support**
Bezel-mounted peripheral options allow you to seamlessly add device functionality to meet your specific needs

MARKETS

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

- 11.6" second display touch
 - LCM customer display
 - LCM (vesa) customer display
 - Fingerprint reader
 - 3 track MSR
 - iButton
 - FeDP to HDMI adapter
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TECHNICAL SHEET

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)	1x USB-A 2.0 (front)
	2x USB-A 3.0	4x USB-A 3.0
	4x USB-A 2.0,	2x USB-A 2.0,
	1x USB-C 3.0	1x USB-C 3.0
	3x RJ48 (w/ 2x RJ48 to DB9 cables)	3x RJ48 (w/ 2x RJ48 to DB9 cables)
	1x RJ45	1x RJ45
	1x RJ11	1x RJ11
	1x FeDP	1x FeDP
	1x 4PIN (w/ latch)	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 Models)	
Size and Resolution	15.6" (1920x1080)	
Touch Technology	True-Flat PCAP multi-touch	
Brightness	500 NITS	
Speaker	1x3W	
Camera	5MP Front Camera (Embedded) (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	

MODELS



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



935KY460100L33
ASCENT 15.6" STANDARD CEL
8/128 NO OS WIFI/BT



935KY460300L33

ASCENT 15.6" STANDARD CEL
8/128 WIN10IOT WIFI/BT



935KY460500L33

ASCENT 15.6" STANDARD CEL
8/128 WIN11PRO WIFI/BT



935KY460200L33

ASCENT 15.6" PREMIUM CEL
8/128 NO OS WIFI/BT PUSB



935KY460400L33

ASCENT 15.6" PREMIUM CEL
8/128 WIN10IOT WIFI/BT PUSB



935KY460600L33

ASCENT 15.6" PREMIUM CEL
8/128 WIN11PRO WIFI/BT PUSB



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



935KY460700L33

ASCENT 15.6" STANDARD I5 8/256
NO OS WIFI/BT



935KY460900L33

ASCENT 15.6" STANDARD I5
8/256 WIN10IOT WIFI/BT



935KY460B00L33

ASCENT 15.6" STANDARD I5
8/256 WIN11PRO WIFI/BT



935KY460800L33

ASCENT 15.6" PREMIUM I5 16/256
NO OS



935KY460A00L33

ASCENT 15.6" PREMIUM I5 16/256
WIN10IOT WIFI/BT PUSB



935KY460C00L33

ASCENT 15.6" PREMIUM I5 16/256
WIN11PRO WIFI/BT PUSB

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