

# USC-513 Series

## 13.3" Integrated POS Terminal USC-513K with Intel® Alder Lake N305/N97



### Features

- Supports DeviceOn/iService software for remote device management
- 13.3" FHD LCD (LED backlight) with PCAP touch
- Ultra-thin design with 14 mm narrow bezel
- Multi-function base integrated thermal printer and barcode scanner
- Rich peripherals for diverse applications
- Compact design with small footprint for saving counter space
- G-sensor embedded in main screen to support multiple orientations
- Support Win 11 LTSC/Linux OS

### Introduction

The USC-513 is a cost-effective integrated point-of-sale (POS) system tailored for diverse retail and hospitality applications. With its sleek modern design, the USC-513 integrates a printer and barcode scanner, streamlining payments and receipt printing in a compact terminal.

Its compact size optimizes space utilization, providing retailers with more space for product displays and promotions. The USC-513 is ideal for retail environments, such as restaurants, convenience stores, cafes, and shopping malls, especially for areas with limited counter space for POS system installation.

### Specifications

|              |                        |                                                                                                                                      |
|--------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Model        | USC-513K               |                                                                                                                                      |
| System       | CPU                    | Intel® Alder Lake-N N97/Core I3-N305                                                                                                 |
|              | Technology             | DDR5-4800, 1 x 262-pin SO-DIMM                                                                                                       |
| Memory       | Max. capacity          | 16GB                                                                                                                                 |
| Storage      | 1x M.2 M-key 2242 SATA |                                                                                                                                      |
| LCD Panel    | Display Size           | 13.3" widescreen (16:9) FHD LCD (LED backlight)                                                                                      |
|              | Resolution             | 1920 x 1080                                                                                                                          |
|              | Viewing Angle          | Horizontal: ±80°, Vertical: ±80°                                                                                                     |
|              | LCD Luminance          | 300 cd/m <sup>2</sup>                                                                                                                |
|              | Contrast Ratio         | 1500:1                                                                                                                               |
| Touch Screen | Main Display           | Projected Capacitive Touch Panel (PCAP, flat glass)                                                                                  |
|              | 2nd Display            | Non-touch, flat glass (PCAP optional)                                                                                                |
| I/O Port     | LAN                    | 1 x RJ-45 2.5G LAN Ethernet                                                                                                          |
|              | USB                    | 2 x USB 3.0, 4 x USB 2.0                                                                                                             |
|              | Serial Port            | 1 x RJ45 (10PIN, COM1, support RS232);<br>2 x DB9 (COM2 support RS232 /RS485/RS422; COM3 support RS232, no power, 5V/12V by request) |
|              | Cash Drawer            | 1 x Cash drawer port, 12V                                                                                                            |
| Others       | Speaker                | 2 x 2 W speakers                                                                                                                     |
|              | Flipable Main Display  | Embedded G-sensor                                                                                                                    |
|              | Adapter                | 24V <sub>DC</sub> /180W                                                                                                              |
| Peripherals  | Wi-Fi/Bluetooth        | 1 x M.2 2230 E-Key for Wi-Fi & BT combo (optional)                                                                                   |
|              | RFID                   | Supports ISO/IEC 14443A/MIFARE Reader, FeliCa Reader, ISO/IEC 14443B Reader (Optional)                                               |
|              | Barcode Scanner        | NLS-EM27-01, embedded 1D/2D scanner, supports QR code (optional)                                                                     |
|              | Printer                | PM381, embedded 80 mm thermal printer with auto-cutter, 170 mm/s max                                                                 |
|              | 2nd Display            | 13.3" FHD LCD with or without touch screen (optional)                                                                                |
|              | MSR                    | Available ISO TK1, 2 & 3 (optional)                                                                                                  |

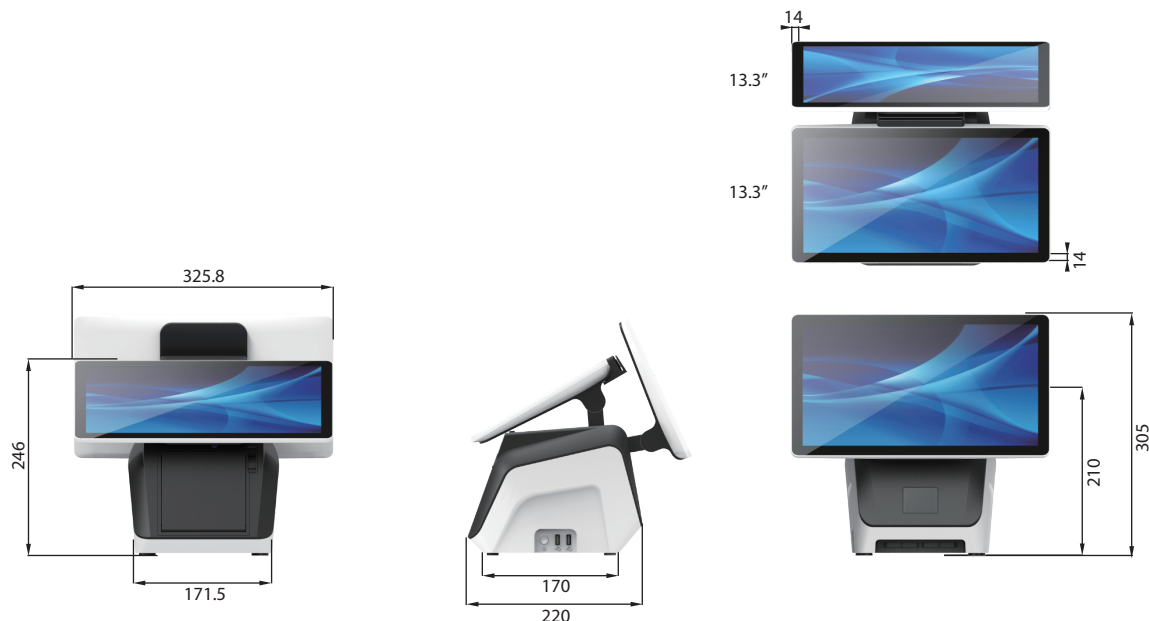
## Specifications (Cont.)

|                                                     |                                             |                                                                                                              |
|-----------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Mechanical Specifications                           | Color                                       | White and black                                                                                              |
|                                                     | Dimensions (W x D x H)                      | 171.5 x 170 x 305 mm (dual display)<br>171.5 x 170 x 246 mm (single display)<br>440 x 400 x 430 mm (package) |
|                                                     | Weight                                      | 6.4/4 kg (dual or single display)                                                                            |
| Environmental                                       | Operating Temperature                       | 0 ~ 40°C (32 ~ 104°F)                                                                                        |
|                                                     | Humidity                                    | max. 95% @ 40°C (104°F) (non-condensing)                                                                     |
|                                                     | Shock                                       | 10G peak acceleration (11 ms duration)                                                                       |
|                                                     | Vibration                                   | 5 ~ 500 Hz 0.5 Grms, random                                                                                  |
| Certifications                                      |                                             | CE, CCC, FCC, CB, BSMI                                                                                       |
| DeviceOn/iService Remote Device Management Software | Operating System                            | Windows 11, Linux                                                                                            |
|                                                     | Common Controls (Reboot, Shutdown)          | ✓                                                                                                            |
|                                                     | Remote Desktop                              | ✓ (VNC)                                                                                                      |
|                                                     | Device-Specific Controls (Audio, Backlight) | ✓                                                                                                            |
|                                                     | Connection Status                           | ✓                                                                                                            |
|                                                     | Hardware Status                             | ✓                                                                                                            |
|                                                     | Batch Operation Support                     | ✓                                                                                                            |
|                                                     | OTA Storage Management                      | Local blob                                                                                                   |
|                                                     | OTA Software Updates                        | ✓                                                                                                            |
|                                                     | Software Watchlist                          | ✓                                                                                                            |
|                                                     | Software Start/Stop                         | ✓                                                                                                            |
|                                                     | Kiosk Mode                                  | ✓                                                                                                            |
|                                                     | Peripherals Watchlist                       | ✓                                                                                                            |

Note: DeviceOn/iService software must be downloaded from the Advantech website at <https://www.advantech.com/search/?q=DeviceOn%2FiService&st=support&sst=Utility>

## Dimensions

Unit: mm



## Ordering Information

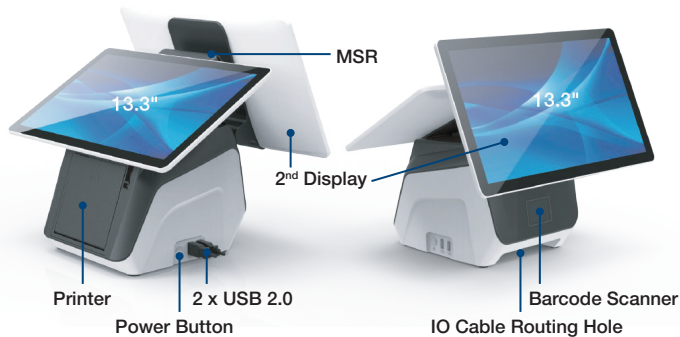
| Part Number     | Description                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------|
| USC-513KP-WI323 | 13.3", dual FHD, PCAP & Glass, N305, 8GB RAM, 128GB M.2, Printer & Scanner & MSR, Adapter, no G-S, White&Black |
| USC-513KP-WN923 | 13.3", dual FHD, PCAP & Glass, N97, 8GB RAM, 128GB M.2, Printer & Scanner & MSR, Adapter, no G-S, White&Black  |
| USC-513KP-WI310 | 13.3", Single FHD, PCAP, N305, 8GB RAM, 128GB M.2, Printer only, Adapter, G-S, Lite White&Black                |
| USC-513KP-WN910 | 13.3", Single FHD, PCAP, N97, 8GB RAM, 128GB M.2, Printer only, Adapter, G-S, Lite White&Black                 |

## Installation Accessories

| Part Number                | Description                                              |
|----------------------------|----------------------------------------------------------|
| 96CB-POWER-B-1.8MB         | Power cable 3P, CCC, 10A, 250V, 180 cm (China)           |
| 1700001524 / 1700001524-01 | Power cable 3P, UL, 10A, 125V, 180 cm (US, TW)           |
| 170203183C / 170203183C-01 | Power cable 3P, 10A, 250V, 183 cm (EU)                   |
| 1700018553 / 1700018553-01 | Power cable 3P, SAA, 2.5A, 250V, 183 cm (Australia)      |
| 1700025113-11              | Power cable, ISI, 3P, 2.5A, 250V, 180 cm (India)         |
| 1700018409                 | Power cable, KCC, 2P, 2.5A, 250V, 183 cm (Korea, Russia) |
| 170203180A / 170203180A-01 | Power cable, BSI, 3P, 2.5A, 250V, 183 cm (UK)            |
| 1700008921 / 1700008921-11 | Power cable, PSE, 3P, 7A, 125V, 180 cm (Japan)           |
| EWM-W159M201E              | new M.2 2230 WiFi5+BT5.0 module                          |
| 1751000522-01              | Metal Ant.D.B 2.4+5G WIFI Main MHF4/113 BLK L265         |
| 1751000523-01              | Metal Ant.D.B 2.4+5G WIFI Aux MHF4/113 WHT L300          |

## Outlook

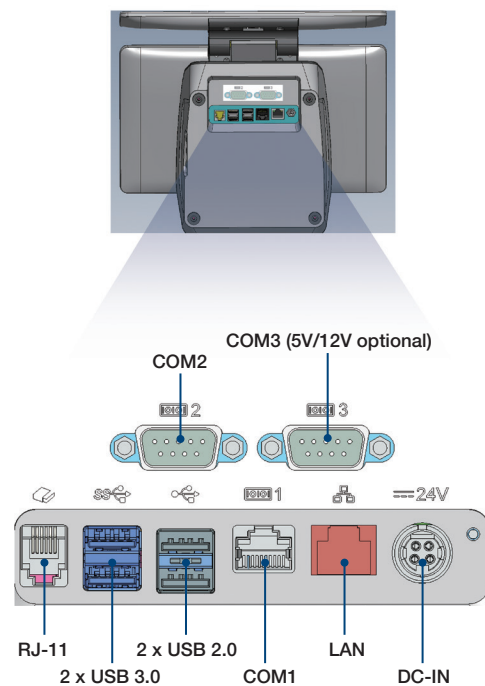
### Dual Display



### Single Display



## I/O Layout



# Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



## AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

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### PRŮMYSLOVÉ POČÍTAČE

*fanless embedded PC, do racku, ...*



### POČÍTAČE S DISPLEJEM

*panelové PC, terminály, do vozidel, ...*



### AUTOMATIZACE A SBĚR DAT

*převodníky, karty, moduly, switche, ...*



### PERIFERIE A KOMPONENTY

*monitory, klávesnice, desky, skříně, ...*



### NOTEBOOKY A TABLETY

*odolné, windows, android, IP65, ...*



### INFORMAČNÍ KIOSKY

*interiérové, venkovní, ...*



### MEDICÍNSKÁ TECHNIKA

*počítače, tablety, LCD, klávesnice, ...*



### SOFTWAREVÁ ŘEŠENÍ

*pro výrobu, zaměstnance, kiosky, ...*



### PŘEJÍT DO E-SHOPU

[eshop.autocont-ipc.cz](http://eshop.autocont-ipc.cz)



### DOPRAVA ZDARMA

Doprava zdarma v ČR a SR při objednávce nad 10 000 Kč bez DPH nebo nad 400 EUR.



### PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



### ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



### SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.