

USC-360 Series

15.6" Ultra-Slim, All-in-One Computer
USC-360H with Intel® Celeron® / Core™ i3/i5;
USC-360J with Intel® Celeron® J6412;
USC-360D with Rockchip RK3568



Features

- 15.6" FHD LCD (LED backlight) with PCAP Touch
- Sleek modern designed with dual hinge stand
- Support both X86 and ARM base
- Rich peripherals for diverse applications
- Flexible installation for 2nd display
- Integrate multifunction via USB-C (video, audio, etc.)
- Support 75x75mm VESA
- Extension I/O Hub (via USB type-C)



Introduction

The USC-360 all-in-one service computer is the latest addition to Advantech's USC product family and Avalo solution offerings. Powered by an Intel® Celeron® J6412 and Rockchip RK3568 quad-core Cortex™-A55 processor that be with the most competitive cost, and energy effective platform built for retail and hospitality. USC-360 computers feature an ultra-slim form factor to ensure easy installation in diverse environments.

In addition to the 15.6" TFT LCD monitor with IP65-rated front panel that protects against water and dust ingress, USC-360 can be equipped with an optional secondary display for broadcasting product promotions and increasing consumer engagement. Overall, USC-360 computers provide flexible point-of-service (POS) computing solutions that enable retailers and service staff to optimize operations and improve customer service.

Specifications

Model	USC-360H	USC-360J	USC-360D
Processor	11th Gen Intel Celeron 6305E / Core i3-1115G4E / i5-1145G7E	Intel Celeron J6412	Rockchip RK3568 quad-core Cortex™-A55
Memory	1 x 260-pin SODIMM DDR4-3200 (up to 32 GB)		4GB onboard
Storage	1 x M.2 SSD		32GB onboard eMMC
Display	15.6" TFT LCD (1920 x 1080), 220nit (350nits optional)		
Touch Screen	Projected capacitive (P-CAP) touch control (flat glass)		
USB	3 x USB-C (One for DP, one for DC in, one for IO Hub), 2 x USB 3.0, 2 x USB 2.0 (broadside)		
Audio	2 x 2W speaker installed. 1 x Line out		
Power Supply	65W via power adapter		
Bus Expansion	1 x M.2 slot (for Wi-Fi and Bluetooth)		
Ethernet	1 x RJ-45 Intel Gigabit Ethernet (10/100/1000), I219LM	1 x RJ-45 Intel Gigabit Ethernet (10/100/1000), I226-V	1 x RJ45 10/100/1000 Mbps
Operating System	Windows 10/11, Linux		Android 12, Linux
Cash Drawer	1 x 12 V _{DC} default, 20 V _{DC} available upon request		1x 12 V _{DC} default, 24 V _{DC} available upon request
USB-C Input	20 V _{DC}		
IP rating	IP65 for front panel		
Dimensions (W x H x D)	381 x 230.4 x 31.5 mm		
Weight	4 Kg (Net); 4.5 Kg (Gross)		
Color	Black		
Operating Temperature	0 ~ 40 °C/32 ~ 104 °F		
Storage Temperature	-40°C, 60°C@95% humidity		
Relative Humidity	95%RH Max @40°C non-condensing		
Shock	10G peak acceleration (11 ms duration)		
Vibration	5 ~ 500 Hz 0.5 Grms, random		
Certification	FCC, CE, CE RED, CCC, BSMI, UL, CB		
TPM	USC-360H& USC-360J supports TPM2.0		-
I/O on extension HUB	UP36 Power USB Hub: 2 x COM, 3 x 12V Power USB, 1 x 24V Power USC, 2 x USB 2.0, 1 x USB C, 1 x DC IN (powered by 180W adapter) UP37 COM Port Hub: 4 x COM (RJ-48 connector), 1 x USB C Input, 6 x USB 2.0 (powered by USC-360 65W adapter)		

Specifications (Cont.)

Model	USC-360H	USC-360J	USC-360D
Operating System	Windows 10/11, Linux	Windows 10/11, Linux	Android12, Linux
Common Controls (Reboot, Shutdown)	✓		✓
Remote Desktop	✓(VNC)		✓(VNC)
Audio Controls	✓		✓
Connection Status	✓		✓
Hardware Status	✓		✓
Hard Disk Status	✓		✓
Batch Operation Support	✓		✓
OTA Storage Management	FTP		FTP
OTA Software Updates	✓		✓
Software Watchlist	✓		✓
Software Start/Stop	✓		✓
Peripherals Watchlist	✓		✓

Outlook



Connect hub to stand, supports separate operation



Supports 75x75 VESA mounting

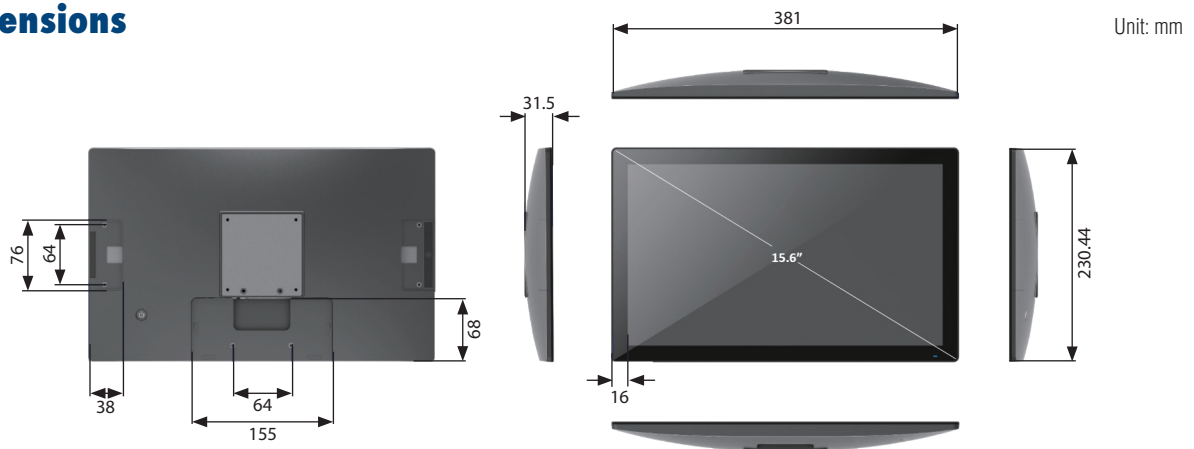


Integrate devices via USB-C



USC-360+2nd display

Dimensions



Ordering Information

PN	Description
USC-360HP-BCL40	15.6" FHD, Pcap, TGR-L CL 6305E, 4GB RAM, 128GB SSD, Adapter, Black, Stand
USC-360HP-BI340	15.6" FHD, Pcap, TG-L i3-1115G4E, 8GB RAM, 128GB SSD, Adapter, black, Stand
USC-360HP-BI540	15.6" FHD, Pcap, TG-L i5-1145G7E, 8GB RAM, 128GB SSD, Adapter, Black, Stand
USC-360HP-BI541	15.6" FHD, Pcap, TG-L i5-1145G7E, 8GB RAM, 256GB SSD, Adapter, Black, Stand
USC-360JP-BCL40	15.6" FHD, Pcap, CL J6412, 4GB RAM, 128GB SSD, Adapter, Black, Stand
USC-360JP-BCL41	15.6" FHD, Pcap, CL J6412, 8GB RAM, 128GB SSD, Adapter, Black, Stand
USC-360DP-BE110	15.6" FHD, Pcap, RK3568, 4G RAM, 32G eMMC, Android 12, Adapter, Black, Stand

POS Peripherals

PN	Description
USC-P05-B300	Barcode Scanner for USC-360 portrait, USB interface, Black
USC-P05-B301	Barcode Scanner for USC-360 IO side, USB interface, Black
USC-P03-B304	MSR007GH for USC-360, USB interface, Black
USC-P03-B300	5M Camera for USC-360, USB interface, Black
USC-P03-B301	RFID Scanner for USC-360, USB interface, Black
USC-P03-B302	LED LIGHT BAR for USC-360, GPIO interface
USC-P03-B303	Finger Print Reader for USC-360, USB interface, Black
USC-P01-B201	VFD, English, 2*20, Rear Mount, USB interface, Black
USC-M10G-BTC01	10.1" monitor, Glass, Rear mount, 60cm Type-C cable, Black
USC-M10P-BTC03	10.1" monitor, PCAP, Single stand, 60cm Type C Cable, Black
USC-M15WP-BST13	15.6" 16:9 monitor, PCAP, FHD, HDMI, stand, 60cm type C cable, Black
USC-P06-H02	USC-300 series UP37 extension hub, 4C6U (Powered by USC-360 65W adapter)
USC-P06-H01	USC-365 series UP36 extension hub (powered by 180W adapter)
XUSC365-ADP180WBB	ADP A/D 100-240V 180W 24V POWER DIN 4PIN (Powered for USC-P06-H01+USC-360 series)

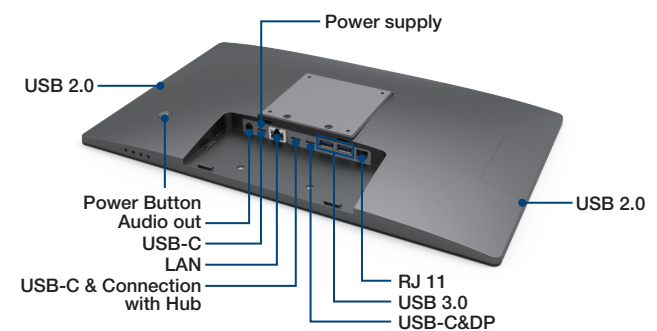
Installation Accessories

Part Number	Description
EWM-W159M201E	new M.2 2230 WiFi5+BT5.0 module, support IEEE 802.11a/b/g/n/ac, 2.4GHz and 5GHz band channels, Support Bluetooth 5.0 system
96CB-POWER-B-1.8MB	Power cable 3P, CCC, 10A, 250V, 180 cm (China)
1700001524	Power cable 3P, UL, 10A, 125V, 180 cm (US, TW)
170203183C	Power cable 3P, 10A, 250V, 183 cm (EU)
1700018553	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	Power cable, BSI, 3P, 2.5A, 250V, 183 cm (UK)
1700008921	Power cable, PSE, 3P, 7A, 125V, 180 cm (Japan)
1751000522-01	Metal Ant.D.B 2.4+5G WIFI Main MHF4/113 BLK L265 for UCS-360H/J (1pcs/unit)
1751000522-01	Metal Ant.D.B 2.4+5G WIFI Main MHF4/113 BLK L265 for UCS-360H/J (1pcs/unit)
1751000523-01	Metal Ant.D.B 2.4+5G WIFI Aux MHF4/113 WHT L300 for UCS-360H/J (1pcs/unit)
1751000521-01	Metal Ant.D.B 2.4+5G WLAN MHF1/113 GRY L250 for UCS-360D (usage: 1pcs/unit)

Operating System

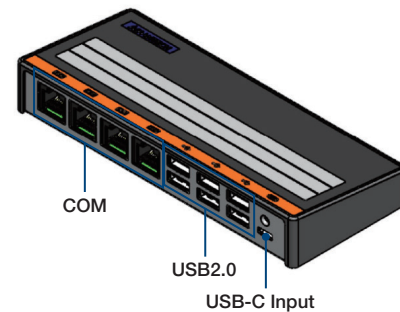
PN	Description
20708WX1ES0010	(Celeron)Img WIN10 LTSC 2021-ELE USC365 x64 V1.00 7MU1
20708WX1VS0015	(I5&I3)Img WIN10 LTSC 2021-VLE USC365 x64 V1.00 7MU1
20708WX1ES0015	(J6412) Img WIN10 LTSC 2021-ELE USC-360 x64 V1.00 8MU1
20708U22DS0006	(J6412) Img Ubuntu 22.04, Kernel Version: 6.5.0

I/O Layout



HUB I/O Layout

UP37 COM Hub



UP36 Power USB Hub

