

u-view Advanced Web Panel

Robust web browser terminal with top performance and high connectivity

UV66-ADV-7-CAP-W-V2
UV66-ADV-10-CAP-W-V2
UV66-ADV-15-CAP-W-V2
UV66-ADV-21-CAP-W-V2



Features

- NXP® ARM® Cortex™-A53 i.MX 8M Mini quad-core processor
- 7", 10.1", 15.6" and 21.5" 16:9 LCD
- True-flat IP66-rated front panel
- Multi-touch P-CAP, supports gestures and operation with gloves
- 4 GB of DDR4 RAM and 16 GB eMMC storage onboard
- 2 x 10/100/1000 Mbps LANs and 2 x USB
- 1 MB FRAM backup memory for unexpected power interruptions
- Future proof thanks to operating system based on Linux Yocto 4.0
- Supports both Web Browser Chromium 101 and VNC Viewer
- Compatible with VESA and panel mounting
- Wide operating temperature range (-20 ~ 60 °C / -4 ~ 140 °F)

Introduction

The new u-view Advanced family UV66-ADV-xx-CAP-W-V2 are web panels equipped with an NXP® Cortex™-A53 i.MX 8M Mini quad-core processor, 7"/10.1"/15.6"/21.5" TFT LCD display, multi-touch glass sensor, 4 GB of DDR4 RAM, and 16 GB of eMMC storage. To ensure stable operation in harsh industrial environments, u-view Advanced web panels have got a wide operating temperature range (-20 ~ 60 °C / -4 ~ 140 °F) and IP66-rated front panel that protects against water and dust ingress. Panel and VESA mounting are supported .

u-view Advanced offers two separate 10/100/1000 LANs, which allows to connect e.g. PLC system and IoT or SCADA system on the same web panel without interaction*. The modern Chromium web browser V101 with HTML5 support is able to display websites fast and from all kinds of webservers, different modes like Kiosk mode, static page mode and standard mode are available. Thanks to the support of gestures operation is as easy and comfortable as on a mobile phone. In addition, a VNC viewer is available for connection to a VNC server. Of course configuration via the integrated settings tool is easy and fast, too. Thanks to the Linux operating system the u-view Advanced family is future proof, there's the possibility of updates.

* Unmanaged Ethernet Switch functionality in preparation.

Specifications

General

- Certification CE, UKCA, FCC Class A, UL, CCC
- Dimensions (W x H x D)
 - 7": 205 x 146.92 x 52 mm
 - 10": 283.1 x 202.3 x 52 mm
 - 15": 419.7 x 269 x 52 mm
 - 21": 558.4 x 349.8 x 52 mm
- Cutout Dimensions
 - 7": 192.4 x 139.0 mm
 - 10": 274.1 x 193.3 mm
 - 15": 411.9 x 261.2 mm
 - 21": 549.8 x 341.3 mm
- OS Support Linux Yocto 4.0
- Power Input 24VDC $\pm 20\%$
- Power Consumption 9W (typ.); 21W (max.)
- Unit Enclosure Die-cast aluminum alloy front bezel Metal Shell
- Mount Options Panel and VESA (100x100mm)
- Weight (Net)
 - 7": 1.27 kg (2.8lb)
 - 10": 2.34 kg (5.16lb)
 - 15": 3.78 kg (8.33lb)
 - 21": 6.95 kg (15.32lb)

System

- CPU NXP® ARM® Cortex™-A53 i.MX 8M
Mini quad-core 1.6 GHz processor
- Backup Memory FRAM 1 MB
- Memory 4 GB DDR4 RAM
- Storage 16 GB eMMC onboard

Communication

- LAN 2 x RJ45 (10/100/1000 Mbps)
- Others
 - 2 x USB 2.0 Type-A Host
 - 1 x Micro SD (Internal)
 - 1 x USB 2.0 Type-B Client (Internal)
 - Serial Ports COM1/COM2 for future use

Specifications

LCD Panel

	7"	10"	15"	21"
Panel Size	7"	10.1"	15.6"	21.5"
Panel Type	WSVGA TFT LCD	WXGA TFT LCD	FHD TFT LCD	FHD TFT LCD
Aspect Ratio	16:9	16:10	16:9	16:9
Max. Resolution	1024 x 600	1280 x 800	1920 x 1080	1920 x 1080
Max. Colors	16M	16M	16.2M	16.7M
Luminance (nits)	425	500	450	250
Viewing Angle (H/V)	170/170	170/170	170/170	89/89
Backlight Life	50'000h	50'000h	50'000h	50'000h
Treatment	Anti-glare	Anti-glare	Anti-glare	Anti-glare
Contrast Ratio	800:1	800:1	800:1	1000:1
LED Indicator	Yes	Yes	Yes	Yes

Touchscreen

- Touch Points 10 Points
- Light Transmission above 85%
- Pencil Hardness $\geq 7H$
- Type Projected capacitive (P-CAP) touch

Environment

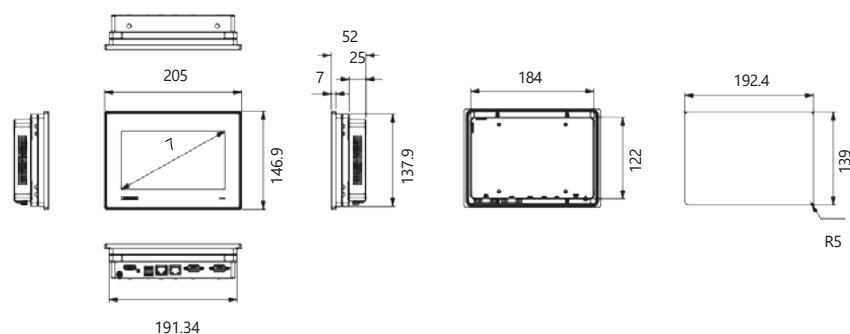
- Operating Temperature -20 ~ 60 °C (-4 ~ 140 °F)
- Storage Temperature -30 ~ 70 °C (-22 ~ 158 °F)
- Humidity 95% RH @ 40 °C, non-condensing
- Ingress Protection IP66-rated front panel
- Vibration Protection 2 Grms random vibration (5 ~ 500 Hz), during operation (compliant with IEC60068-2-64)
- Shock Protection 10 G shock under 11 ms operation (compliant with IEC60068-2-27)

UV66-ADV-xx-CAP-W-V2

Dimensions

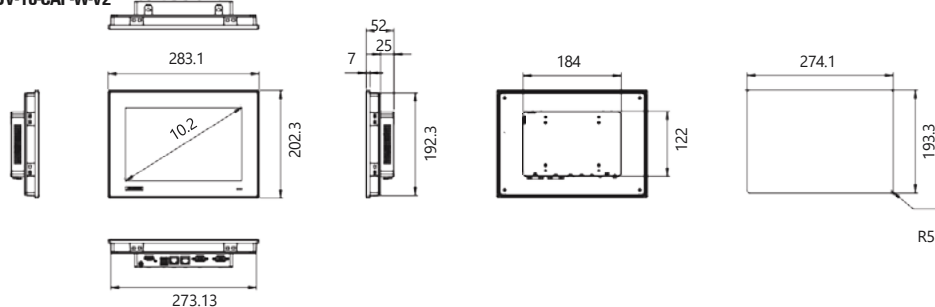
Unit: mm

UV66-ADV-7-CAP-W-V2



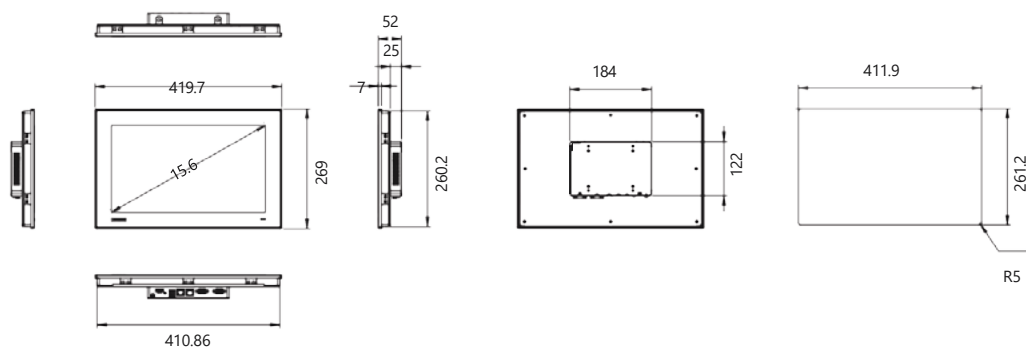
Panel Cutout Dimensions: 192.4mm x 139.0mm

UV66-ADV-10-CAP-W-V2



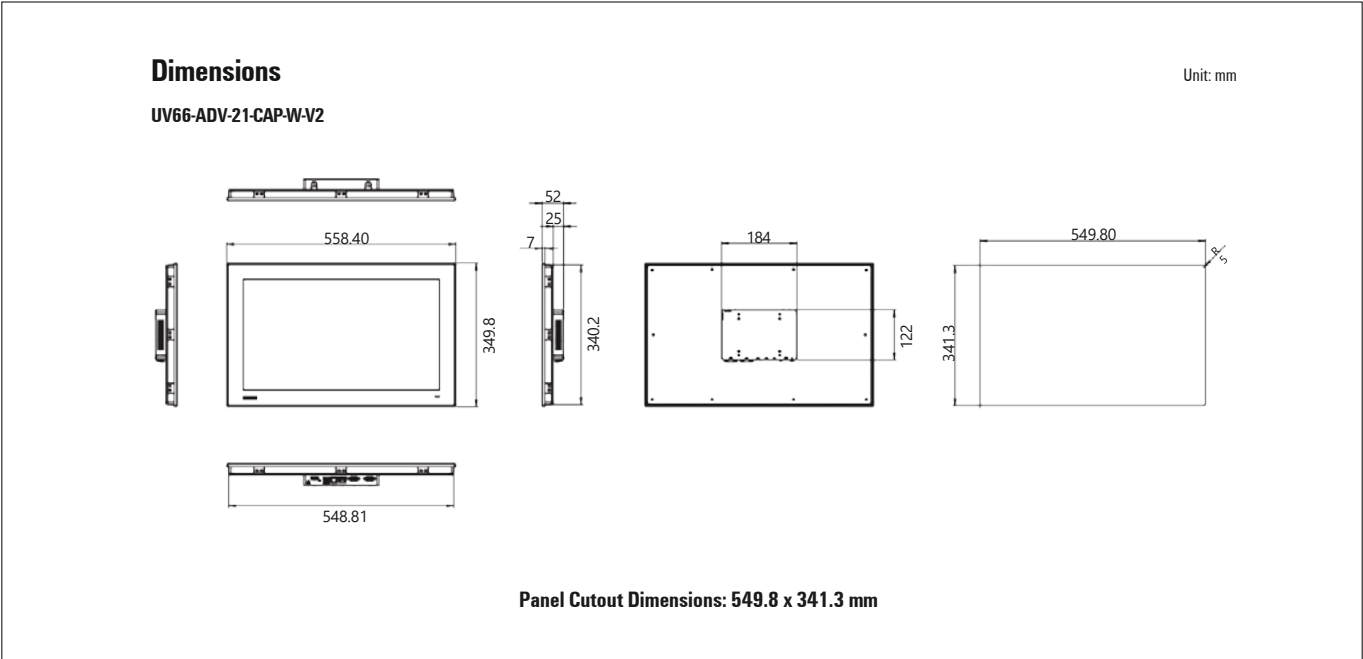
Panel Cutout Dimensions: 274.1mm x 193.3mm

UV66-ADV-15-CAP-W-V2



Panel Cutout Dimensions: 411.9mm x 261.2mm

UV66-ADV-xx-CAP-W-V2

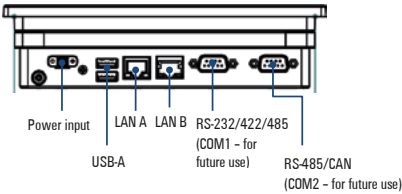
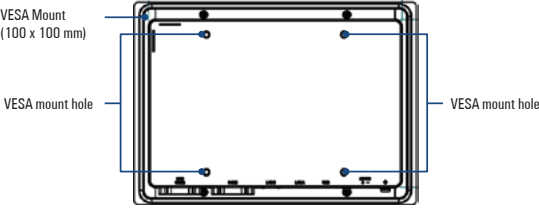
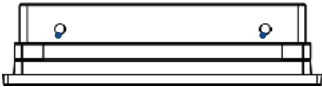


Ordering Information

Type	Description	Order No.
UV66-ADV-7-CAP-W-V2	7" u-view Advanced Web Panel, Cortex™-A53 Quad Core CPU, 4GB DDR4, 16G eMMC, Linux Yocto 4.0 with Chromium Browser	2932870000
UV66-ADV-10-CAP-W-V2	10.1" u-view Advanced Web Panel, Cortex™-A53 Quad Core CPU, 4GB DDR4, 16G eMMC, Linux Yocto 4.0 with Chromium Browser	2933040000
UV66-ADV-15-CAP-W-V2	15.6" u-view Advanced Web Panel, Cortex™-A53 Quad Core CPU, 4GB DDR4, 16G eMMC, Linux Yocto 4.0 with Chromium Browser	2932860000
UV66-ADV-21-CAP-W-V2	21.5" u-view Advanced Web Panel, Cortex™-A53 Quad Core CPU, 4GB DDR4, 16G eMMC, Linux Yocto 4.0 with Chromium Browser	2987520000
UV66-ADV-V2-ACCESSORIES	Accessories as a spare part kit, suitable for Webpanels 7", 10.1", 15.6" and 21.5", containing Cable Ties (2x), Plug-in Block (1x), Cable (1x), Clamp and Clamp Screw (12x)	3010310000

UV66-ADV-xx-CAP-W-V2

External I/O



Packing List

Item	Description	7" Qty	10" Qty	15" Qty	21" Qty
Cable Tie	Cable Tie 62x8mm WL3-60T For SCH	2	2	2	2
Plug-In Block	PLUG-IN BLOCK 2-pole(F)	1	1	1	1
Cable	Cable G-TEM 4.3, 100CM, GR/Y	1	1	1	1
Clamp	CLAMPER PPC-55 M1632611 A2	4	8	10	12
Clamp Screw	Screw M4x25L R/S D=8.3 H=2.5 (2+) ST BZn	4	8	10	12