

v430/v450 web panel

Aesthetic machine visualizations in modern design, which can also be operated intuitively, are becoming increasingly important. With the v430 and v450 web panel and our web-based offer, consisting of the EASY UI Designer project planning tool and the FAST UI Runtime on the c430, c520, and c550 controllers, we offer a solution for such visualizations.

The v430 and v450 web panels as browser-based display units with capacitive multi-touch displays are the ideal devices for modern topologies of machine visualization. Both device series are offered in 7", 10.1" and 15.6" screen diagonals and are identical in terms of performance and functionality. The main difference arises from the way they are mounted:

The Web Panel v450 has a fully enclosed housing with IP67 protection and is therefore suitable for flexible applications. It can be mounted on a support arm, on a wall, or on the control cabinet wall.

The v430 web panel, on the other hand, is ideally suited for classic mounting in the control cabinet wall.

Visually, both device series are real eye-catchers and confirm the high-quality impression of your machine.

Highlights

- Chromium based web panel
- TFT color display in 7", 10.1", and 15.6"
- Multi-touch glass front



Product overview

	v430 web panel	v430 web panel	v430 web panel	v450 web panel	v450 web panel	v450 web panel
						
Design/mounting	Mounting in housing			Support arm or wall		
Screen diagonal	7"	10.1"	15.6"	7"	10.1"	15.6"
Degree of protection	IP66 (front side), IP20 (back side)			IP67		
Market approvals						
CE	✓	✓	✓	✓	✓	✓
UKCA	✓	✓	✓	✓	✓	✓
UL	✓	✓	✓	✓	✓	✓
RoHS	✓	✓	✓	✓	✓	✓
Ambient conditions						
Pollution degree	2	2	2	2	2	2
Operation	-20 ... +60 °C	-20 ... +60 °C	-20 ... +60 °C	-20 ... +55 °C	-20 ... +55 °C	-20 ... +55 °C
Storage	-30 ... +80 °C	-30 ... +80 °C	-30 ... +80 °C	-30 ... +80 °C	-30 ... +80 °C	-20 ... +70 °C
Screen						
Diagonal	7" (17.8 cm)	10.1" (25.7 cm)	15.6" (39.6 cm)	7" (17.8 cm)	10.1" (25.7 cm)	15.6" (39.6 cm)
Resolution (pixel)	1024 x 600	1280 x 800	1920 x 1080	1024 x 600	1280 x 800	1366 x 768
Brightness	500 cd/m²	500 cd/m²	400 cd/m²	400 cd/m²	400 cd/m²	400 cd/m²
Number of colors	16 million	16 million	16 million	16 million	16 million	16 million
Touchscreen technology	Capacitive glass surface, multi-touch					
Processor/memory						
Processor	i.MX8M Mini Quad ARM Cortex-A53 (1.60 GHz)					
Operating system	Linux	Linux	Linux	Linux	Linux	Linux
Flash memory	4 GB	4 GB	4 GB	4 GB	4 GB	4 GB
RAM memory	2 GB	2 GB	2 GB	2 GB	2 GB	2 GB
Interfaces						
Voltage supply	24 V DC	24 V DC	24 V DC	IEEE 802.3af PoE	IEEE 802.3af PoE	IEEE 802.3at PoE+
USB 2.0	1	1	1	1 (via adapter cable)	1 (via adapter cable)	1 (via adapter cable)
Ethernet 100 Mbps/s	1	1	1	1	1	1
Ethernet 1000 Mbps/s	-	-	-	-	-	-

Product selection

Product	Screen diagonal	Degree of protection	m	H x W x D			ID
			[kg]	[mm]			
v430 web panel	7" (17.8 cm)	IP66/20	0.7	147 x 187 x 37			13642485
	10.1" (25.7 cm)	IP66/20	1.3	197 x 282 x 37			13642486
	15.6" (39.6 cm)	IP66/20	3.2	267 x 422 x 45			13642487
v450 web panel	7" (17.8 cm)	IP67	0.7	131.6 x 195.2 x 16.5			13597105
	10.1" (25.7 cm)	IP67	1.2	183.1 x 264.5 x 16.5			13597172
	15.6" (39.6 cm)	IP67	4.0	248 x 398.6 x 26.5			13597174



Accessories

System cables

Designation	Description			ID
Communication cables	0.5 m Ethernet cable			13641901
	1 m Ethernet cable			13641902
	2 m Ethernet cable			13641903
	3 m Ethernet cable			13641904
	5 m Ethernet cable			13641905
	5 m Ethernet cable, 90° angled plug, Power over Ethernet (PoE)-capable			13597180
	5 m Ethernet cable, Power over Ethernet (PoE)-capable			13597182
	5 m USB cable, Power over Ethernet (PoE)-capable			13597194

Connection

Designation	Description			ID
PoE injector	Power over Ethernet (PoE) injector for DIN rail mounting			13597175

Mounting

Designation	Description			ID
Mounts	Pipe mount for v450 7" or 10.1"			13597176
	Pipe mount for v450 15.6"			13597177
	Wall mount for v450 7",10.1"			13597178
	Wall mount for v450 15.6"			13597179
	VESA mount for v450			13597181
Tool	Cable installation tool for the PoE communication cable			13598417