

# WP 4156-WHPS - Web panel



1148691

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Similar figure

Web panel, 39.6 cm / 15.6"-TFT display (projective-capacitive (PCAP)), 1366 x 768 pixel(s) (HD), 16.7 million colors, Arm® Cortex®-A53, 4x 1.2 GHz, 2x USB Host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Yocto/Linux®, Chromium Browser, without bus system.

## Your advantages

- Easy startup – just enter the IP and URL
- Flexible, thanks to open web standard and free choice of web server and visualization software
- No security updates are required for JAVA or Flash plug-ins thanks to HTML5
- Ideal for use with PLCnext Engineer or CODESYS
- Embedded Linux operating system
- Visualization of self-programmed JavaScript applications possible
- Secure communication, thanks to SSL-encrypted data transmission

## Commercial data

Item number	1148691
Packing unit	1 pc
Sales key	DR17
Product key	DRCADF
GTIN	4063151142353
Weight per piece (including packing)	4,950 g
Weight per piece (excluding packing)	4,000 g
Customs tariff number	84714100
Country of origin	DE

## Technical data

### Product properties

Product type	Operator panel
Weight	4000 g

### Computer data

Processor	Arm® Cortex®-A53, 4x 1.2 GHz
Operating system	Yocto/Linux®
RAM	1 GB LPDDR3
Data storage system	Flash eMMC, 8 GB
Slots	1x microSD

### Display

Display type	39.6 cm / 15.6"-TFT
Screen resolution	1366 x 768 Pixel(s) (HD)
Touch technology	projective-capacitive (PCAP)
Display lighting type	LED
Brightness	320 cd/m² typical (adjustable)
MTBF	70000 h
Color spectrum	16.7 million colors
Reading angle left	80.00 °
Reading angle right	80.00 °
Reading angle top	80.00 °
Reading angle bottom	80.00 °

### Interfaces

Interfaces	2x USB Host 2.0
Optional interfaces	Without optional interface
Network	1 x Ethernet (10/100 Mbps), RJ45
Bus system	without bus system

### System properties

User software	Chromium Browser
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### System requirements

Runtime system	Chromium browser
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### Electrical properties

#### Supply

Supply voltage	24 V DC
Supply voltage range	18 V ... 30 V
Power supply unit	24 V DC ±20 %
Typical current consumption	1 A

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## Real-time clock

Realtime clock	Integrated (battery backup)
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## Mounting

Mounting type	Front mounting
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## Material specifications

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65 (front), IP20 (back)
Ambient temperature (operation)	0 °C ... 50 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Altitude	3000 m
Permissible humidity (operation)	20 % ... 85 % (non-condensing)
Permissible humidity (storage/transport)	20 % ... 85 % (non-condensing)
Shock	DIN EN 60068-2-27
Vibration (operation)	DIN EN 60068-2-6

## Dimensions

### External dimensions

Width / Height / Depth	436 mm / 278 mm / 6 mm (Dimensions of the front plate)
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### Installation dimensions

Width / Height / Installation depth	425 mm / 260 mm / 53 mm (Installation cutout)
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## Classifications

### UNSPSC

UNSPSC 21.0	43211900
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(b), 6(b)-II, 6(c), 7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-15
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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