

WP 4156-WHPS - Web panel



1148691

<https://www.phoenixcontact.com/us/products/1148691>

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Web panel with 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® and user software: Chromium Browser. (bus system: without)

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
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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

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

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

ECLASS

ECLASS-11.0	27330201
ECLASS-12.0	27330201

ETIM

ETIM 8.0	EC001412
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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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Accessories

USB FLASH DRIVE - USB memory stick

2402809

<https://www.phoenixcontact.com/us/products/2402809>



USB memory stick, 8 GB

HMI SCB MOUNTING KIT 6 - Mounting material

2701385

<https://www.phoenixcontact.com/us/products/2701385>



HMI mounting kit for installation on a front plate. The mounting kit includes 6 x mounting brackets, 6 x screw threads, and a hexagonal wrench.

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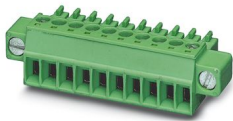
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MC 1,5/ 3-STF-3,5 BD:1-3 - PCB connector

1751312

<https://www.phoenixcontact.com/us/products/1751312>



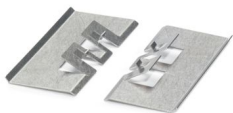
PCB connector, nominal cross section: 1.5 mm², color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MC 1,5/...-STF, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, plug-in system: COMBICON MC 1,5, locking: Screw locking mechanism, mounting: Screw flange, type of packaging: packed in cardboard

HMI WALL MOUNTING KIT - Mounting material

2701380

<https://www.phoenixcontact.com/us/products/2701380>

HMI mounting kit for panel installation. The mounting kit includes 2 spring clips.



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MICROSDHC-16GB - Memory

1154696

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Industrial grade 16 GB MicroSDHC 3DTLC



MICROSDHC-32GB - Memory

1154699

<https://www.phoenixcontact.com/us/products/1154699>

Industrial grade 32 GB MicroSDHC 3DTLC



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