

WP 4185-WHPS - Web panel



1148690

<https://www.phoenixcontact.com/us/products/1148690>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Web panel with 47 cm / 18.5" 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	1148690
Packing unit	1 pc
Sales key	DR17
Product key	DRCADF
GTIN	4063151142346
Weight per piece (including packing)	6,660 g
Weight per piece (excluding packing)	5,000 g
Customs tariff number	84714100
Country of origin	DE

Technical data

Product properties

Product type	Operator panel
--------------	----------------

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	47 cm / 18.5" TFT
Screen resolution	1366 x 768 Pixel(s) (HD)
Touch technology	projective-capacitive (PCAP)
Display lighting type	LED
Brightness	240 cd/m², typical (adjustable)
MTBF	50000 h
Color spectrum	16.7 million colors
Reading angle left	85.00 °
Reading angle right	85.00 °
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
---------------	------------------

System requirements

Runtime system	Chromium browser
----------------	------------------

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	1.2 A

Real-time clock

Realtime clock	Integrated (battery backup)
----------------	-----------------------------

Mounting

Mounting type	Front mounting
---------------	----------------

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)	-20 °C ... 60 °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	485 mm / 329 mm / 8 mm (Dimensions of the front plate)
------------------------	--


Installation dimensions


Width / Height / Installation depth	475 mm / 311 mm / 53 mm (Installation cutout)
-------------------------------------	---

1148690


<https://www.phoenixcontact.com/us/products/1148690>

Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1148690>



UL Listed
Approval ID: FILE E 238705



cUL Listed
Approval ID: FILE E 238705

cULus Listed

1148690

<https://www.phoenixcontact.com/us/products/1148690>

Classifications

ECLASS

ECLASS-11.0	27330201
ECLASS-12.0	27330201

ETIM

ETIM 8.0	EC001412
----------	----------

UNSPSC

UNSPSC 21.0	43211900
-------------	----------

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)
SCIP	7d968381-ce29-4fea-800d-464e300da83c

WP 4185-WHPS - Web panel

1148690

<https://www.phoenixcontact.com/us/products/1148690>



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.

WP 4185-WHPS - Web panel



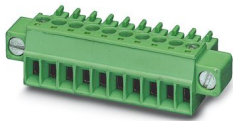
1148690

<https://www.phoenixcontact.com/us/products/1148690>

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

1751312

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



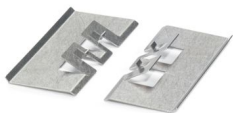
PCB connector, nominal cross section: 1.5 mm², color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MC 1,5/...-STF, pitch: 3.5 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.



WP 4185-WHPS - Web panel

1148690

<https://www.phoenixcontact.com/us/products/1148690>



MICROSDHC-16GB - Memory

1154696

<https://www.phoenixcontact.com/us/products/1154696>

Industrial grade 16 GB MicroSDHC 3DTLC



MICROSDHC-32GB - Memory

1154699

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

Industrial grade 32 GB MicroSDHC 3DTLC



Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com