



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Touch panel - TP 3120W - 2400457

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Touch panel with 30.7 cm/12.1" TFT-Display (Analog resistive (polyester)), 1280 x 800 Pixel (WXGA), 65536 colors, ARM® Cortex®-A8, 800 MHz, 2x USB Host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7 and User software: Visu+ / AX OPC Server. (Bus system: without)

Why buy this product

- ✓ Easy installation, low installation depth, and compact design
- ✓ Short startup time
- ✓ Visu+ RT and AX OPC server integrated as standard in all devices
- ✓ Easy IP address allocation and active connection monitoring thanks to PROFINET IO Device according to Conformance Class B
- ✓ Display available in sizes from 14.5 cm (5.7") to 39.05 cm (15.4")
- ✓ Versatile communication options, even with third-party systems, thanks to numerous drivers and interfaces
- ✓ Energy efficient due to LED backlighting
- ✓ Acoustic warning from alarms via integrated buzzer (85 dB)

Key Commercial Data

| | |
|--------------------------------------|-------------|
| Packing unit | 1 STK |
| Weight per Piece (excluding packing) | 2,680.000 g |
| Custom tariff number | 84714100 |
| Country of origin | Germany |

Technical data

Note

| | |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|

Dimensions

| | |
|-----------------------------------|-------------------------------|
| External dimension, width | 330 mm |
| External dimension, height | 225 mm |
| External dimension, depth | 5 mm |
| Note regarding external dimension | Dimensions of the front plate |
| Installation dimension, width | 322 mm |
| Installation dimension, height | 217 mm |

Touch panel - TP 3120W - 2400457

Technical data

Dimensions

| | |
|---------------------------------------|--|
| Note regarding installation dimension | Installation cutout |
| Installation dimension, depth | 48 mm |
| Note regarding installation dimension | 53 mm, approximately with fieldbus interface |

Display

| | |
|------------------------|------------------------------|
| Display | 30.7 cm/12.1" TFT |
| Screen resolution | 1280 x 800 Pixel(s) (WXGA) |
| Backlighting | LED |
| Display backlight MTBF | 50000 h |
| Touch technology | Analog resistive (polyester) |
| Colors | 65536 colors |

Computer data

| | |
|-------------------------|----------------------------------|
| Processor | ARM® Cortex®-A8, 800 MHz |
| Operating systems | Windows® Embedded Compact 7 |
| User software | Visu+ |
| | AX OPC Server |
| RAM | 512 MB RAM |
| Mass storage | 1 GB Flash |
| Network | 1 x Ethernet (10/100 Mbps), RJ45 |
| Interfaces | 2x USB Host 2.0 |
| Bus system | without |
| Optional interfaces | SD slot |
| Realtime clock | Yes (battery-backed) |
| Service life of battery | 5 years (typical) |

General

| | |
|----------------------|-----------------------------|
| Material front plate | Aluminum (natural anodized) |
| Housing material | Steel sheet, zinc-plated |
| Mounting type | Front installation |
| Weight | 2200 g |

Ambient conditions

| | |
|--|--------------------------------|
| Degree of protection | IP65 (front), IP20 (back) |
| | NEMA 4X |
| Ambient temperature (operation) | 0 °C ... 50 °C |
| Ambient temperature (storage/transport) | -25 °C ... 70 °C |
| Permissible humidity (operation) | 20 % ... 85 % (non-condensing) |
| Permissible humidity (storage/transport) | 20 % ... 85 % (non-condensing) |

Touch panel - TP 3120W - 2400457

Technical data

Ambient conditions

| | |
|-----------------------|-------------------|
| Vibration (operation) | DIN EN 60068-2-6 |
| Shock | DIN EN 60068-2-27 |

Device supply

| | |
|-----------------------------|---------------------|
| Supply voltage | 24 V DC |
| Supply voltage range | 18 V DC ... 30 V DC |
| Typical current consumption | typ. 0.7 A |
| Power consumption | typ. 16.8 W |
| Power supply unit | 24 V DC \pm 20 % |

Standards and Regulations

| | |
|-----------------------|-------------------|
| Shock | DIN EN 60068-2-27 |
| Vibration (operation) | DIN EN 60068-2-6 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27242302 |
| eCl@ss 6.0 | 27242302 |
| eCl@ss 7.0 | 27242302 |
| eCl@ss 8.0 | 27242302 |
| eCl@ss 9.0 | 27330201 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC001412 |
| ETIM 5.0 | EC001412 |

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

Touch panel - TP 3120W - 2400457

Approvals

UL Listed <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 205795

cUL Listed <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 205795

cULus Listed 

Accessories

Accessories

Battery module

Battery / accumulator - HMI BATTERY - 2701383

Lithium battery



Mounting material

Mounting material - HMI SCB MOUNTING KIT 4 - 2701384



HMI mounting kit for installation on a front plate. The mounting kit includes 4 x mounting brackets, 4 x screw threads, and a hexagonal wrench.

Mounting material - HMI SCB MOUNTING KIT 6 - 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.

Touch panel - TP 3120W - 2400457

Accessories

Mounting material - HMI SCB MOUNTING KIT 8 - 2701387



HMI mounting kit for installation on a front plate. The mounting kit includes 8 x mounting brackets, 8 x screw threads, and a hexagonal wrench.

Mounting material - HMI SCB MOUNTING KIT 8 - 2701387



HMI mounting kit for installation on a front plate. The mounting kit includes 8 x mounting brackets, 8 x screw threads, and a hexagonal wrench.

Operating stylus

Touch pen - TOUCH PEN - 2701379



Touch pen for HMIs, silver coated. Delivery includes self-adhesive pen holder.

Parameterization memory

Program / configuration memory - SD FLASH 2GB - 2988162



Program and configuration memory

PCB plug

Touch panel - TP 3120W - 2400457

Accessories

Printed-circuit board connector - MC 1,5/ 3-STF-3,5 - 1847068



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

Storage medium

USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB