

## Data sheet

### cloudPanel TP107-CL (H71-L1A41-0)

#### Technical data

|                                     |   |
|-------------------------------------|---|
| <b>Order no.</b>                    | <b>H71-L1A41-0</b>  |
| Type                                | cloudPanel TP107-CL   |
| <b>General information</b>          |   |
| Note                                | -   |
| Features                            | Display: 7"<br>Processor: Cortex-A8   1GHz<br>Work memory [MB]: 512<br>User memory [GB]: 4<br>Interface onboard: 1x RS232/422/485   1x USB-A   1x RJ45 (Ethernet)<br>Software: Linux 3.12 |
| <b>Display</b>                      |   |
| Display size (diagonal)             | 7 "   |
| Display size (width)                | 155 mm  |
| Display size (height)               | 88 mm   |
| Resolution                          | 480 x 800 / 800 x 480   |
| Aspect ratio                        | 16:9  |
| Type of display                     | TFT color (64K colors)  |
| MTBF Backlights (25°C)              | 20000 h   |
| <b>System properties</b>            |   |
| Processor                           | Cortex-A8 1000 MHz  |
| Operating system                    | Linux 4.14.94   |
| User software                       | Webkit Browser  |
| Work memory                         | 512 MB  |
| User memory                         | 4 GB  |
| Available memory (user data)        | 700 MB  |
| SD/MMC Slot                         | -   |
| CF Card Slot Typ II                 | -   |
| CFast Slot                          | -   |
| <b>Time</b>                         |   |
| Real-time clock buffered            | yes   |
| Clock buffered period (min.)        | 2 w   |
| Type of buffering                   | Goldcap   |
| Load time for 50% buffering period  | 5 h   |
| Load time for 100% buffering period | 10 h  |
| Accuracy (max. deviation per day)   | 8 s   |
| <b>Operating controls</b>           |   |
| Touchscreen                         | resistive   |
| Touch function                      | Single Touch  |
| Keyboard                            | external via USB  |
| Mouse                               | external via USB  |
| <b>Interfaces</b>                   |   |
| MPI, PROFIBUS-DP                    | -   |
| MPI, PROFIBUS-DP connector          | -   |
| Serial, COM1                        | RS232 / RS422 / RS485   |

|                               |                      |
|-------------------------------|----------------------|
| COM1 connector                | Sub-D, 9-pin, male   |
| Serial, COM2                  | -                    |
| COM2 connector                | -                    |
| Number of USB-A interfaces    | 1                    |
| USB-A connector               | USB-A (host)         |
| Number of USB-B interfaces    | -                    |
| USB-B connector               | -                    |
| Number of ethernet interfaces | 1                    |
| Ethernet                      | Ethernet 10/100 MBit |
| Ethernet connector            | RJ45                 |
| Integrated ethernet switch    | -                    |
| Video connectors              | -                    |
| Audio connections             | -                    |

## Technical data power supply

|   |                       |
|---|-----------------------|
| Power supply (rated value)              | DC 24 V               |
| Power supply (permitted range)          | 18 - 32 VDC           |
| Reverse polarity protection             | yes                   |
| Current consumption (no-load operation) | 0.1 A                 |
| Current consumption (rated value)       | 0.3 A                 |
| Inrush current                          | 38 A                  |
| $I^2t$                                  | 0.33 A <sup>2</sup> s |
| Power loss                              | 7 W                   |

## Status information, alarms, diagnostics

|                        |      |
|------------------------|------|
| Status display         | none |
| Supply voltage display | none |

## Mechanical data

### Housing / Protection class

|                                  |                |
|----------------------------------|----------------|
| Material                         | PC + ABS       |
| Mounting                         | mounting clips |
| Protection class IP front side   | IP 66          |
| Protection class IP back side    | IP 20          |
| Protection class NEMA front side | Type 2, 4X     |
| Protection class NEMA back side  | -              |

## Dimensions

|             |                         |
|-------------|-------------------------|
| Front panel | 187 mm x 147 mm x 5 mm  |
| Rear panel  | 172 mm x 133 mm x 29 mm |

## Installation cut-out

|                               |        |
|-------------------------------|--------|
| Width                         | 176 mm |
| Height                        | 136 mm |
| Minimum                       | 1.5 mm |
| Maximum front panel thickness | 6 mm   |
| Net weight                    | 500 g  |
| Weight including accessories  | 631 g  |
| Gross weight                  | 900 g  |

## Environmental conditions

|                       |                 |
|-----------------------|-----------------|
| Operating temperature | 0 °C to 50 °C   |
| Storage temperature   | -20 °C to 70 °C |

## Certifications

|                         |     |
|-------------------------|-----|
| UL certification        | yes |
| KC certification        | -   |
| UKCA certification      | -   |
| ChinaRoHS certification | -   |
| DNV certification       | -   |
| EU MR certification     | -   |