

# Flat Stainless P-CAP IP69K Display

## 19" (Chassis Design)



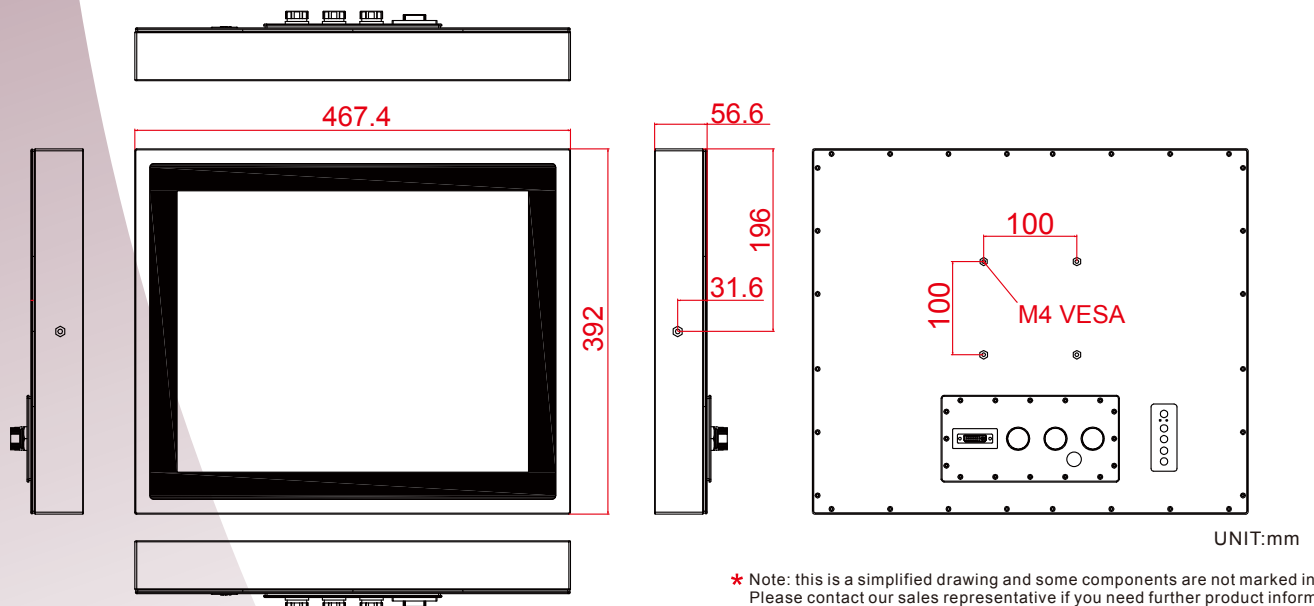
### Specifications

|                                |  |
|--------------------------------|--|
| Model Name                     | R19L100-SPM169   |
| Viewable Size Image            | 19"  |
| Active Display Area(mm)        | 376.32 (H) x 301.06 (V)  |
| Pixel Pitch(mm)                | 0.294 (H) x 0.294 (V)  |
| Number of Pixels               | 1280 x 1024  |
| Contrast Ratio                 | 1000:1(typ.)   |
| Display Color                  | 16.7M  |
| Brightness(cd/m <sup>2</sup> ) | 250 (typ.)   |
| Viewing Angle(CR>=10)          | -85~85 (H); -80~80 (V)   |
| Recommended Resolution         | 1280 x 1024@60Hz, 75Hz   |
| I/O                            | 3-Pin power connector, waterproof<br>10-Pin VGA connector, waterproof<br>DVI-D connector, waterproof (Optional)<br>USB connector, waterproof |
| Power Source                   | 12V DC in, with External AC to DC Adapter (100~240V AC)  |
| Power Consumption              | 36W typical, normal operation  |
| Power Management               | VESA DPMS Compliant  |
| Plug & Play                    | VESA DDC 1/2B  |
| Touch Screen                   | P-cap (Default), Glass (Optional)  |
| Operating Temperature          | -10 to 55 deg.   |
| IP Rating                      | IP69K, air venting valve   |

\*Due to Panel material's deviation, different panel supplier will set different specific variance range to optical characteristics. The factors of time used, Lamp current, Ambient temperature will influence the optical measurements.



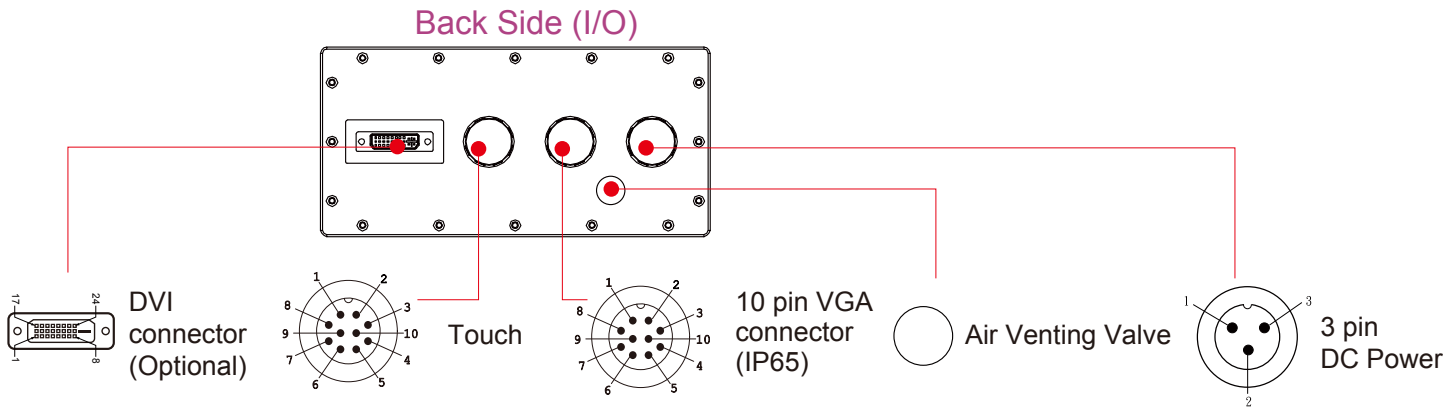
### Mechanical Drawing



\* Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.

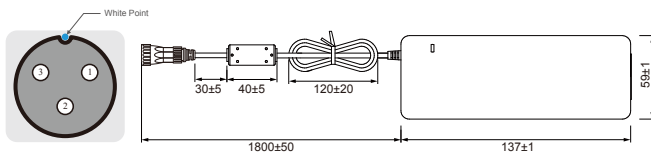
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## IO Layout



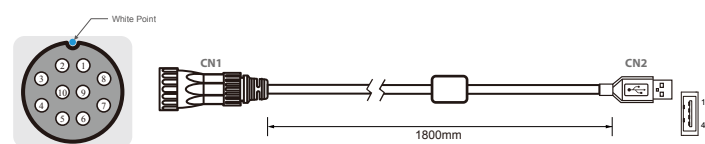
## Pin Definition

### Power Cable



| Pin No. | Symbols | Color |
|---------|---------|-------|
| CN1-3   | GND     | Black |
| CN1-2   | shield  |       |
| CN1-1   | VCC     | White |

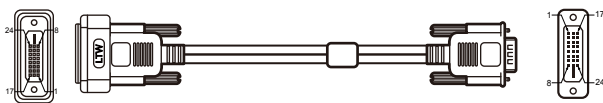
### USB Cable (For Touch)



| Pin No. | Symbols | Color | Pin No. | Symbols | Color |
|---------|---------|-------|---------|---------|-------|
| CN1-1   | VCC     | RED   | CN2-1   | VCC     | RED   |
| CN1-2   | D-      | WHITE | CN2-2   | D-      | WHITE |
| CN1-3   | D+      | GREEN | CN2-3   | D+      | GREEN |
| CN1-4   | GND     | BLACK | CN2-4   | GND     | BLACK |
| CN1-5   | Shield  |       | CN2     | Shield  |       |

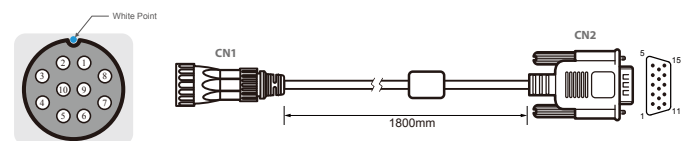
Twist

### DVI Cable (Optional)



| CN1     |                        | CN2     |                        |
|---------|------------------------|---------|------------------------|
| Pin No. | Symbol                 | Pin No. | Symbol                 |
| CN1-1   | TMDS Data2-            | CN2-1   | TMDS Data2-            |
| CN1-2   | TMDS Data2+            | CN2-2   | TMDS Data2+            |
| CN1-3   | TMDS Data2 Shield      | CN2-3   | TMDS Data2 Shield      |
| CN1-4   | NC                     | CN2-4   | NC                     |
| CN1-5   | NC                     | CN2-5   | NC                     |
| CN1-6   | DDC Clock              | CN2-6   | DDC Clock              |
| CN1-7   | DDC Data               | CN2-7   | DDC Data               |
| CN1-8   | NC                     | CN2-8   | NC                     |
| CN1-9   | TMDS Data 1-           | CN2-9   | TMDS Data 1-           |
| CN1-10  | TMDS Data 1+           | CN2-10  | TMDS Data 1+           |
| CN1-11  | TMDS Data 1 Shield     | CN2-11  | TMDS Data 1 Shield     |
| CN1-12  | NC                     | CN2-12  | NC                     |
| CN1-13  | NC                     | CN2-13  | NC                     |
| CN1-14  | +5V Power              | CN2-14  | +5V Power              |
| CN1-15  | Ground                 | CN2-15  | Ground                 |
| CN1-16  | Hot Plug Detect        | CN2-16  | Hot Plug Detect        |
| CN1-17  | TMDS Data 0-           | CN2-17  | TMDS Data 0-           |
| CN1-18  | TMDS Data 0+           | CN2-18  | TMDS Data 0+           |
| CN1-19  | TMDS Data 0 Shield     | CN2-19  | TMDS Data 0 Shield     |
| CN1-20  | NC                     | CN2-20  | NC                     |
| CN1-21  | NC                     | CN2-21  | NC                     |
| CN1-22  | TMDS Data Clock Shield | CN2-22  | TMDS Data Clock Shield |
| CN1-23  | TMDS Clock+            | CN2-23  | TMDS Clock+            |
| CN1-24  | TMDS Clock-            | CN2-24  | TMDS Clock-            |

### VGA Cable



| CN1     |         |        | CN2     |         |        |
|---------|---------|--------|---------|---------|--------|
| Pin No. | Symbols | Color  | Pin No. | Symbols | Color  |
| 1       | R       | Red    | 1       | R       | Red    |
| 2       | R-GIND  | Black  | 6       | R-GIND  | Black  |
| 3       | G       | Green  | 2       | G       | Green  |
| 4       | G-GND   | Black  | 7       | G-GND   | Black  |
| 5       | B       | Blue   | 3       | B       | Blue   |
| 6       | B-GND   | Black  | 8       | B-GND   | Black  |
| 7       | SDA     | Yellow | 12      | SDA     | Yellow |
| 8       | HS      | Orange | 13      | HS      | Orange |
| 9       | VS      | White  | 14      | VS      | White  |
| 10      | SCL     | Brown  | 15      | SCL     | Brown  |
|         |         |        | 4       | HS-GDN  |        |
|         |         |        | 5       | NC      |        |
|         |         |        | 9       | NC      |        |
|         |         |        | 10      | NC      |        |
|         |         |        | 11      | VS-GDN  |        |