

# Rity102 ■ 10.1" ALL IN ONE Fanless POS Terminal



## Features

- Rich I/O (Including 6 USB, Optional MIC and CAM)
- Fanless Design
- Front IP-65 & Back IP-41
- Service Windows for RAM
- Support Cash Drawer (12V/24V)
- 5-wire Resistive Touch (Optional Multi-touch P Cap)
- Optional Device: MSR



## Specifications

### Panel

|                           |                                |
|---------------------------|--------------------------------|
| <b>LCD Size</b>           | 10.1"                          |
| <b>Display Type</b>       | WXGA TFT                       |
| <b>Resolution</b>         | 1366 x 768                     |
| <b>Color</b>              | 262K Color by 6-bit RGB Signal |
| <b>Luminance</b>          | 200cd/m²                       |
| <b>Contrast Ratio</b>     | 1300                           |
| <b>Viewing Angle</b>      | 85 (H) x 85 (V)                |
| <b>Backlight</b>          | LED                            |
| <b>Touch Type</b>         | 5-wires Resistive/PCT          |
| <b>Light Transmission</b> | RES 75%/PCT 90%                |
| <b>Touch Interface</b>    | RES RS232/PCT USB              |

### System

|                       |                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CPU</b>            | Intel® Celeron® Processor J1900 4-Core 2GHz (D, 10W)<br>Intel® Celeron® Processor N2920 4-Core 1.86GHz (M, SDP, 4.5W/TDP, 7.5W)<br>Intel® Atom™ Processor E3845 4-Core 1.91GHz (L, 10W) |
| <b>Cooling Method</b> | Fanless                                                                                                                                                                                 |
| <b>System Chipset</b> | Intel® Valleyview SoC Integrated                                                                                                                                                        |
| <b>Memory</b>         | 1 x 204-pin SODIMM Socket Up to 8GB DDR3L 1066/1333 SDRAM                                                                                                                               |
| <b>SSD</b>            | One mSATA Socket                                                                                                                                                                        |
| <b>Speaker</b>        | 2W, 8Ω                                                                                                                                                                                  |
| <b>WIFI</b>           | Optional USB WIFI 802.11 b/g (Will Occupy One USB Pin Header)                                                                                                                           |
| <b>Expansion</b>      | mPCIe Socket w/SIM Holder for 3G Application                                                                                                                                            |

### Rear Panel I/O

|                    |                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Serial Port</b> | 2 x RS-232<br>COM1 & 2 Supported RS-422/485 (Setting by BIOS)<br>All Pin9 Supported RI/5V/12V (Setting by BIOS) |
| <b>Ethernet</b>    | 2 x LAN (Intel® I210AT Gigabit Ethernet Controller)                                                             |
| <b>Cash Drawer</b> | 1 x RJ11 for Cash Drawer, Supported DC 12V/24V 1A Out. Setting by BIOS                                          |
| <b>HDMI</b>        | 1 x HDMI                                                                                                        |
| <b>USB</b>         | 3 x USB 3.0, 1 x USB 2.0                                                                                        |
| <b>Power</b>       | 1 x Power Minidin 4P for DC-in w/Lock Type                                                                      |

### Mechanical & Environmental

|                               |                                                             |
|-------------------------------|-------------------------------------------------------------|
| <b>Color</b>                  | Default Black, Optional White                               |
| <b>Mounting</b>               | Wall/Panel/VESA 75mm x 75mm                                 |
| <b>Power Input</b>            | +24V DC-in 90W,<br>Optional 120W & 130W for 24V DC-out SKU. |
| <b>Operating Temperature</b>  | 0 ~ 40°C (32 ~ 104°F)                                       |
| <b>Storage Temperature</b>    | -10 ~ 60°C (14 ~ 140°F)                                     |
| <b>Operating Humidity</b>     | 10% ~ 95% Relative Humidity, Non-condensing                 |
| <b>Dimensions (W x D x H)</b> | 260mm x 178mm x 42mm                                        |
| <b>Weight</b>                 | 1.6 Kgs                                                     |



RityPOS

LPC Series

SPC Series

FPC Series

PPC Series

APC/BFC Series

UPC Series

MPC Series

OPM Series

AID Series

MTP Series

RISC

Accessory

## Ordering Information

RITY102

10" WXGA TFT Plastic Panel PC with Intel® Atom™ E3845 4-Core 1.91GHz CPU

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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