



## HJS Sheet metal embedded industrial control all-in-one machine

GY-1901

1. Intel® I3/I5/I7 Celeron J1900/N5095/5105
2. Support SO-DIMM 、Support M-SATA 、 M.2 Sata
3. Standard 19 -inch high-definition Display , Capacitive touchscreen , Support dual display
4. Standard 4USB 、 1LAN , which can be expanded to 2 USB and multi-standard COM interfaces.
5. Support 1\*Mini-PCIE(for WiFi)
6. Support VESA bracket installation, wall-mounted and desktop installation
7. The whole machine has windless design, industrial shape and elegant appearance.
8. The products can be widely used in MES, store displays, self-service terminals and other industries

| Technical specifications |                                                   |                                                   |                                                                   |                               |                            |
|--------------------------|---------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------|-------------------------------|----------------------------|
| Product Model            | GY-1901                                           |                                                   |                                                                   |                               |                            |
| Display                  | 19                                                | Cooling                                           | Fanless/Fan                                                       | Cutout dimension              | 436.5*355mm                |
| Touchscreen              | Capacitive touchscreen                            | Total power consumption                           | 45W, slightly lower power consumption for Android display         | Weight                        | < 5.2kg                    |
| resolution               | 1280*1024                                         | Installation method                               | Compatible with embedded, wall-mounted, and desktop installations | Color                         | Black                      |
| brightness               | 300cd/m2                                          | Dimensions                                        | 453*375.5*64mm                                                    | Chassis material              | Sheet metal cast enclosure |
| Bios                     | AMI BIOS                                          |                                                   |                                                                   |                               |                            |
| Processor                | Support Intel® Bay Trail J1900 Processor          | Support Intel® Gemini lake/N5095                  | Support RK3288/3568                                               | Support RK3568                | Support E68                |
| Chipset                  | Intel® SOC                                        | Intel® SOC                                        | RK3288                                                            | RK3568                        |                            |
| Graphics display         | Intel® HD Graphics                                | Intel UHD Graphics 600                            |                                                                   |                               |                            |
| Network                  | Realtek RTL8106E                                  | RTL8111H/RTL8111G                                 | Realtek 8111H/                                                    | Realtek                       |                            |
| Audio                    | Realtek ALC662HD                                  | Realtek ALC269HD                                  |                                                                   |                               |                            |
| Memory                   | Single DDR3L 1333MHz Max 8GB                      | Single DDR4 2133/2400MHz Max 8GB                  | Memory: 2G/4G                                                     | Memory: 2G/4G                 |                            |
| Hard drive               | M-SATA 128GB                                      | M-SATA 128GB                                      | 8G/16G/32G                                                        | 8G/16G/32G                    |                            |
| Function                 | Support WiFi 、 Bluetooth 、 4G 、 watchdog function | Support WiFi 、 Bluetooth 、 4G 、 watchdog function | Support WiFi 、 Bluetooth 、 4G、 5G                                 | Support WiFi 、 Bluetooth 、 4G |                            |
| Upper I/O interface      | 1*Switch (with LED)                               | 1*Switch (with LED)                               | 1*Switch (with LED)                                               | 1*Switch (with LED)           |                            |
|                          | 2*Antenna                                         | 2*Antenna                                         | 1*Antenna                                                         | 2*Antenna                     |                            |
|                          | 2*COM (Reserved)                                  | 2*COM (Reserved)                                  | 1*COM (Reserved)                                                  | 2*COM (Reserved)              |                            |
| Lower I/O interface      | 1* LINE-OUT                                       | 1* LINE-OUT                                       | 1* LINE-OUT                                                       | 1* LINE-OUT                   | 1*Switch (with LED)        |
|                          | 1* MIC-IN                                         | 1* MIC-IN                                         | 1* MIC-IN                                                         | 1* MIC-IN                     | 1*HDMI                     |
|                          | 1*LAN                                             | 1*LAN                                             | 1*LAN                                                             | 1*LAN                         | 1*VGA                      |
|                          | 3*USB2.0                                          | 2*USB2.0                                          | 2*USB2.0                                                          | 2*USB2.0                      | 1*DC IN                    |
|                          | 1*USB3.0                                          | 2*USB3.0                                          | 2*USB3.0                                                          | 2*USB3.0                      |                            |
|                          | 1*HDMI                                            | 1*VGA                                             | 1*HDMI                                                            | 1*HDMI                        |                            |
|                          | 1*VGA                                             | 1*HDMI                                            | 1*DC IN                                                           | 1*DC IN                       |                            |
|                          | 1*DC IN                                           | 1*DC IN                                           |                                                                   |                               |                            |
|                          | 2*COM232                                          | 2*COM232                                          |                                                                   |                               |                            |
|                          | 1*M3 Grounding screw                              | 1*M3 Grounding screw                              |                                                                   |                               |                            |
| Power                    | DC12V                                             |                                                   |                                                                   |                               |                            |
| Operating system         | Windows 7/Windows 10/Windows 11/Linux             |                                                   |                                                                   |                               |                            |
| Certification            | CCC                                               |                                                   |                                                                   |                               |                            |

| Configuration |                                                                                    |
|---------------|------------------------------------------------------------------------------------|
| Model         | Description                                                                        |
| GY-1901       | 19-inch LCD screen/Capacitive touchscreen/I1900/DDR3L 1333MHz 4GB/M-SATA 128GB     |
| GY-1901       | 19-inch LCD screen/Capacitive touchscreen/N5095/DDR4 2133/2400MHz 4GB/M-SATA 128GB |
| GY-1901       | 19-inch LCD screen/Capacitive touchscreen/Android RK3288 (Support 2G+16G/4G+32G)   |
| GY-1901       | 19-inch LCD screen/Capacitive touchscreen/E68 Monitor motherboard                  |
| GY-1901       | 19-inch LCD screen/Capacitive touchscreen/Android RK3568 (Support 2G+16/4G+32G )   |

