

# BIS-W19C-ULT4

18.5" Medical Panel PC with 7th Generation Intel® mobile ULT Core™ i5/Celeron® processor



## Features

- » 18.5" 16:9 LED panel (1366 x 768 / 1920 x 1080)
- » 7th generation Intel® Core™ i5-7300U and Celeron® 3865U CPU
- » Projected capacitive touchscreen supports multi-touch
- » IP65 compliant front bezel
- » Anti-bacteria cover
- » HDMI™ input supported (monitor mode)
- » Optional 3-in-1 card reader: MSR, SCR and fingerprint
- » Optional Mifare RFID module
- » Optional VoIP phone handset
- » Optional handle module with barcode scanner and reading light

## Specifications

| Communication         |   |
|-----------------------|---|
| Bluetooth             | Bluetooth V4.1  |
| Wi-Fi                 | IEEE 802.11 a/b/g/n/ac 2T2R module  |
| Display               |   |
| Backlight MTBF(hrs)   | 30000 (LED backlight) / 50000 (LED backlight)   |
| Brightness(cd/m2)     | 250/350   |
| Contrast Ratio        | 1000:1  |
| LCD Size              | 18.5" (16:9)  |
| Max Resolution        | 1366 (W) x 768 (H) / 1920 (W) x 1080 (H)  |
| Environment           |   |
| Humidity              | 10% to 95% (non-condensing)   |
| IP Level              | IP65 compliant front panel  |
| Operating Shock       | Operating Shock: 5G peak acceleration (11ms duration)<br>Non-Operating Shock: 15G peak acceleration (11ms duration) |
| Operating Temperature | 0°C~40°C  |
| Operating Vibration   | 1G  |
| Storage Temperature   | -20°C~60°C  |
| I/O Interface         |   |
| Audio                 | 2 x 2W speaker<br>Side:1 x Audio out, 1 x Mic in  |
| Ethernet              | Rear:1 x GbE LAN port<br>Bottom:1 x GbE LAN port  |
| Other Features        |   |
| Ambient Light Sensor  | Ambient light sensor for panel brightness adjustment  |
| Camera                | 2-megapixel CMOS front-facing camera with auto-focus and digital microphone   |
| LED Light Bar         | RFID indicator LED  |
| OSD Function          | 1 x LCD on/off<br>1 x Brightness up<br>1 x Brightness down  |

|                                 |  |
|---------------------------------|--|
|                                 | 1 x Volume up  |
|                                 | 1 x Volume down  |
|                                 | 1 x Touch lock button for cleaning   |
|                                 | Combinations:  |
|                                 | 1 x Auto-dimming on/off  |
| <b>Physical Characteristics</b> |  |
| Construction                    | ABS+PC plastic with anti-bacterial material                                |
| Dimensions (LxWxH) (mm)         | 478.6 x 317.3 x 60.1 mm  |
| Mounting                        | Wall, Stand and Arm VESA 100/75  |
| Net Weight                      | 6.5 kg   |
| <b>Power</b>                    |  |
| Input                           | 1 x 12~28V DC Jack   |
| Power adapter                   | 120W medical power adapter: Input: 100V~240V AC, Output: 19V DC            |
| <b>System</b>                   |  |
| Cooling method / System Fan     | Fan-less   |
| CPU                             | Intel® Kabylake ULT platform Core™ i5-7300U and Celeron® 3865U             |
| HDD                             | 1 x 2.5" SATA 6Gb/s HDD bay  |
| Memory Max.                     | 32G  |
| On-board Memory                 | Two 260-pin 2133/1866 MHz dual-channel 4G DDR4 non-ECC unbuffered SO-DIMMs |
| <b>Touch</b>                    |  |
| Touch Screen                    | Projected capacitive type with USB interface                               |
| <b>I/O Interface</b>            |  |
| I/O Interface                   | 1 x DC Input Jack  |
|                                 | 2 x HDMI™ (1 x HDMI™ Input (side); 1 x HDMI™ Out (Bottom))                 |
|                                 | 2 x LAN (1 x rear, 1 x bottom)   |
|                                 | 1 x Line out   |
|                                 | 2 x Mic (1 x digital microphone (front); 1 x side)                         |
|                                 | 1 x RS-232 (rear 1.5kV isolation)  |
|                                 | 2 x USB 2.0 (2 x side)   |
|                                 | 4 x USB 3.0 (2 x rear, 2 x bottom)   |

## Ordering Information

|                             |  |
|-----------------------------|--|
| BIS-W19CF-ULT4-i5/PC/4G-R10 | 18.5" 350 cd/m <sup>2</sup> 1920x1080 Panel PC with Intel® 14nm 7th Generation Mobile Core™ i5-7300U on-board processor (ULT), 1*4GB DDR4 RAM, 802.11a/b/g/n/ac Wi-Fi module, PCAP touchscreen, 2M camera, microphone, R10 |
| BIS-W19CF-ULT4-C/PC/4G-R10  | 18.5" 350 cd/m <sup>2</sup> 1920x1080 Panel PC with Intel® 14nm 7th Generation Mobile Celeron®3865U on-board processor (ULT), 1*4GB DDR4 RAM, 802.11a/b/g/n/ac Wi-Fi module, PCAP touchscreen, 2M camera, microphone, R10  |
| BIS-W19C-ULT4-i5/PC/4G-R10  | 18.5" 250 cd/m <sup>2</sup> 1366x768 Panel PC with Intel® 14nm 7th Generation Mobile Core™ i5-7300U on-board processor (ULT), 1*4GB DDR4 RAM, 802.11a/b/g/n/ac Wi-Fi module, PCAP touchscreen, 2M camera, microphone, R10  |
| BIS-W19C-ULT4-C/PC/4G-R10   | 18.5" 250 cd/m <sup>2</sup> 1366x768 Panel PC with Intel® 14nm 7th Generation Mobile Celeron®3865U on-board processor (ULT), 1*4GB DDR4 RAM, 802.11a/b/g/n/ac Wi-Fi module, PCAP touchscreen, 2M camera, microphone, R10   |

## Packing List

|                   |                |
|-------------------|----------------|
| 1 x power adapter | 1 x power cord |
|-------------------|----------------|