## **Bedside Infotainment Terminal**

**BIS-W19C-ULT4** | 18.5" Medical Panel PC with 7th Generation Intel<sup>®</sup> 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® 3865 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





# Monitor Mode Application



PC mode

Monitor mode





# • Push notification services for patients

Inpatients may need health education from hospital or reading the preoperative notice before surgery. The BIS-W19C-ULT3 could be integrated with the hospital server to realize these functions, with which most of the action of health education could be digitized to reduce human resources.



#### • HIS/NIS system for nurses

Most of the hospitals make use of digital information system to avoid human error and to optimize caring flow. The BIS-W19C-ULT3 could be integrated with the HIS/NIS system, from which clinicians can easily check doctors' prescriptions and record patients' vital information to the data center directly.



### • Entertainment for patients

Inpatients in the hospital may have plenty of time except consultation of doctors or doing a surgery, which means inpatients also need some entertainments. The BIS-W19C-ULT3 could be integrated with the bedside software applications which aggregate various functions that inpatients may need. The bedside solution could offer inpatients all the daily requirements.



### • Patient counseling discussion

Ward rounds are a major daily work of doctors. It is difficult for the doctor to carry all patients' medical information during ward rounds. The generation of digital healthcare is happening. The doctor can just bring a tablet during ward rounds to explain all the medical conditions to each inpatient. Wireless video streaming to a bigger screen helps doctors, inpatients and family members have a more convenient discussing environment.

## Specifications

	Model	BIS-W19C-ULT4			
	LCD Display	18.5" (16:9)			
	Max Resolution	1366 (W) x 768 (H) / 1920 (W) x 1080 (H)			
	Brightness (cd/m²)	250 / 350			
	Contrast Ratio	1000:1			
LCD Specifications	LCD Color	16.7M colors (RGB 6-bit) / 16.7M colors (RGB true 8-bit)			
	Pixel Pitch (mm)	0.3 (H) x 0.3 (V) / 0.213 (H) x 0.213 (V)			
	Viewing Angle (H-V)	170°(H) / 160°(V), 178°(H) / 178°(V)			
	Backlight MTBF (hrs)	30000 (LED backlight) / 50000 (LED backlight)			
	Touchscreen	Projected capacitive type with USB interface			
Touch	Surface Hardness	6H			
	CPU Support	Intel® Kabylake ULT platform Core™ i5-7300U and Celeron® 3865U			
	RAM	Two 260-pin 2133/1866 MHz dual-channel DDR4 non-ECC unbuffered SO-DIMMs (system max. 32GB			
System	I/O Port	Rear 1 x 1.5kV isolation COM port 1 x 12~28V DC Jack 1 x GbE LAN port 2 x USB 3.2 Gen 1 port Bottom 1 x RJ-11 for barcode scanner (1D/2D) 1 x GbE LAN port 2 x USB 3.2 Gen 1 port 1 x HDMI output Side 1 x HDMI input 2 x USB 2.0 port 1 x Audio out			
	Storage	1 x Mic in 1 x 2.5″ SATA 6Gb/s HDD/SDD bay 1 x mSATA (Reserved)			
	Audio	2 x 2W speaker			
	Webcam & Microphone	2-megapixel CMOS front-facing camera with auto-focus and digital microphone			
	LED Indicator	RFID indicator LED			
	Monitor Mode	Yes			
Other Features	Function Key	1 x LCD on/off 1 x Brightness up 1 x Brightness down 1 x Volume up 1 x Volume down 1 x Volume down 1 x Touch lock button for cleaning Combinations: 1 x Auto-dimming on/off			
	Light Sensor	Ambient light sensor for panel brightness adjustment			
	Cooling Method	Fan-less			
Connectivity	Wi-Fi and Bluetooth	IEEE 802.11 a/b/g/n/ac 2T2R module with Bluetooth V4.1 1x 2230 A/E key (PCIe x 1/USB 2.0)			
	Construction Material	ABS+PC plastic with anti-bacterial material			
Physical	Mounting	Wall, Stand and Arm VESA 100/75			
Physical	Net Weight	6.5 kg			
	Dimensions (WxHxD) (mm)	478.6 x 317.3 x 60.1			
	Operating Temperature	0°C~40°C			
Environment	Storage Temperature	-20°C~60°C			
	Humidity	10% to 95% (non-condensing)			
	Vibration	1G			
	Shock	Operating Shock: 5G peak acceleration (11ms duration) Non-Operating Shock: 15G peak acceleration (11ms duration)			
	IP Level	IP65 compliant front panel			
Power	Power Input	12V~28V DC input			
	Power Adapter	120W medical power adapter: Input: 100V~240V AC, Output: 19V DC			

## **Ordering Information**

Part No.	Description
BIS-W19CF-ULT4-C/PC/4G-R10	18.5" 350 cd/m <sup>2</sup> 1920 x 1080 panel PC with 7th generation 14nm Intel® mobile Celeron® 3865U (15W) on-board processor (ULT), one 4GB DDR4 RAM, 802.11a/b/g/n/ac Wi-Fi module, PCAP touchscreen, 2-megapixel camera, microphone, R10
BIS-W19CF-ULT4-i5/PC/4G-R10	18.5" 350 cd/m² 1920 x 1080 panel PC with 7th generation 14nm Intel® mobile Core™ i5-7300U (15W) on-board processor (ULT), one 4GB DDR4 RAM, 802.11a/b/g/n/ac Wi-Fi module, PCAP touchscreen, 2-megapixel camera, microphone, R10
BIS-W19C-ULT4-C/PC/4G-R10	18.5" 250 cd/m <sup>2</sup> 1366 x 768 panel PC with 7th generation 14nm Intel® mobile Celeron® 3865U (15W) on-board processor (ULT), one 4GB DDR4 RAM, 802.11a/b/g/n/ac Wi-Fi module, PCAP touchscreen, 2-megapixel camera, microphone, R10
BIS-W19C-ULT4-i5/PC/4G-R10	18.5" 250 cd/m² 1366 x 768 panel PC with 7th generation 14nm Intel® mobile Core™ i5-7300U (15W) on-board processor (ULT), one 4GB DDR4 RAM, 802.11a/b/g/n/ac Wi-Fi module, PCAP touchscreen, 2-megapixel camera, microphone, R10

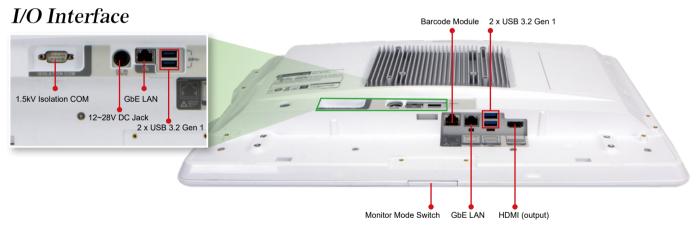
### **Options**

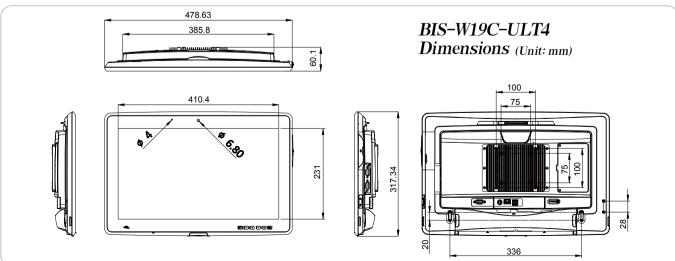
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Part No.	Description	
MEDP-HS-R10	USB interface VoIP phone and its holder, white	
MEDP-CR-02-R10	Magnetic card reader/Smart card reader/Fingerprint sensor, white	
MEDP-HD-R10	Metal handle covered with soft rubber	
MEDP-HD-BR-R11	Metal handle covered with soft rubber, with barcode reader and reading light, White	
MEDP-TPM-04-R10	Trusted platform module kit with 300mm cable, IEI assembly only	
MEDP-EZS-R10	VESA 100 x 100 mm panel PC stand with a cable management hole, white	
BIS-W19C-ULT4-W10E64-V-R10	OS Image with Windows Embedded Standard 10 E Value 64-bit for BIS-W19C, with DVD-ROM, RoHS	
POCP-CC04-R10	BIS-19C-ULT4 cable cover, white, plastic, R10	

## **IQ** Mounting Options

IQ Mounting Options		Packing List		
Item	Part No.	Item	Q'ty	Remark
Wall Mount Kit	AFLWK-19B	Power Adapter	1	120W medical power adapter: Input: 90V~264V AC, Output: 19 V DC
Arm	ARM-31-RS	1 offor / taaptor		
Stand	STAND-A21-R10	Power Cord	1	European power cords, 183 CM, C13





#### BIS-W19C-ULT4-2020-V10