

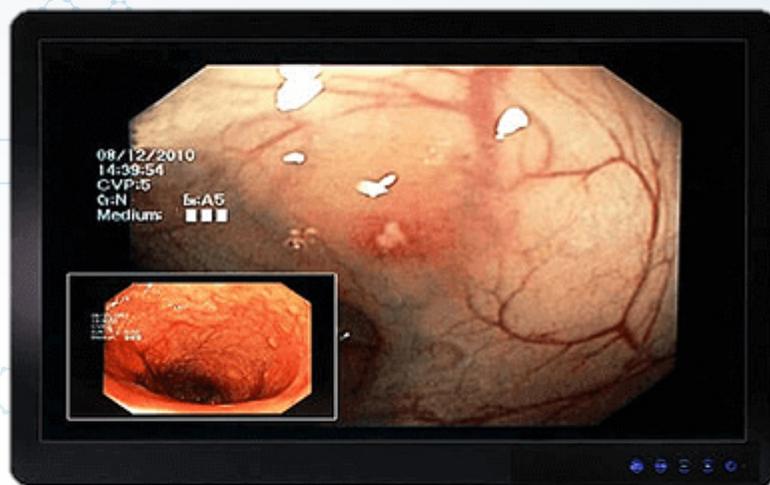


MEDICAL COMPUTING AND DISPLAY BROCHURE – AUG 2019

Product Families



*Smartphone/
PDA*



*Medical/Surgical
Display*



All-in-One



Tablet



Battery Powered

Computing & Display

Mobile, durable, powerful and healthcare certified, our range of healthcare computers address the challenges of clinical environments whilst providing clinician's the information they need at the point-of-care.

OUR COMPUTERS FEATURE:

- **Mobile:** Hot-swappable batteries, dual-band Wi-Fi, and integrated Bluetooth;
- **Durable:** ABS Plastic enclosures. Water resistant, temperature and humidity resistant. EMC/EMI tolerant;
- **Powerful:** Energy-efficient Intel® Core™ i processors, HD Graphics, and high-capacity SSD's;
- **Certified:** CE, RoHS, EN60601-1;
- **Infection free:** with standard cleaning processes and anti-microbial coatings, our computers provide exceptional infection control performance;
- **A Solution Component:** with the addition of a cart, medical device, and software application, our computers become part of a total healthcare solution (see Sumo Healthcare Solutions brochure).



Smartphones/PDA's

The rapid growth in the availability of smartphones and PDA's has not only revolutionized society but also the way we conduct business. The Healthcare industry is no different and has begun to capitalize on this; the suppliers of many of the solutions for managing, caring and interacting with patients have now extended beyond the desktop; appearing as Apps for deployment onto Smartphones. However, it is not as simple as providing consumer devices for use in a healthcare environment, or by encouraging staff to utilize their personal equipment, reducing the risk and impact of secondary infections (HAI's) contracted as a result of attending a healthcare facility must be addressed. Sumo Healthcare satisfy this by ensuring that our range of Smartphones are manufactured using anti-microbial materials, combinign this with the ability to withstand vigorous cleaning regimes. Further, with the use of barcodes and RFID for patient and medication identification, our devices also incorporate industrial grade 1D/2D barcodes scanners - meaning that even badly damaged barcodes can be read – as well as the providing the ability to read RFID's. Add to this powerful processors, rugged casings, and a whole host of customizable options and innovative accessories, you then have a device that suitable for the exacting environment of healthcare.

ST455CL-MD Series

Manufactured using anti-bacterial material, the ST454MD is designed and built specifically for use within the health and social care industry. Designed according to the unique working environment that healthcare presents, the ST454MD incorporates an internal 1D and 2D code, as well as an RFID scanning module, enabling the accurate reading of bar code information, such as: patients' barcode or RFID wristbands, infusion bags, and laboratory test reports, etc.

Features:

- 5" high-resolution multi-touch screen
- 8MP rear camera
- Anti-microbial material
- IP65 rated
- Gorilla glass can withstand 30 falls on all surfaces from 1.5m
- 4G/LTE and dual Wi-Fi (2.4GHz and 5GHZ)
- Android 6.0*
- 10h battery life (100h on standby)
- Optional 1D/2D Barcode Scanner
- Optional UHF RFID
- Optional three-bay charger

**Android 7.1 Available September 20*



Why a Medical Grade Smartphone?

Studies by academics such as Dr Simon Park, Senior Lecturer in Molecular Biology, University of Surrey reveal that smartphones are a breeding ground for bacteria with 98% of touch-screen phones having 25,000 germs per square inch. Pathogens such as Streptococcus, E-Coli, C-Diff, and MRSA have all been found on smartphones brought by staff into clinical areas. Whereas soap, water and disinfectant wipes can be deployed to keep a phone clean, these may damage phones, one also has to remember to do so. BYOD or Bring-Your-Own-Device is popular throughout the NHS as it allows staff to use their own smartphones and tablets to interact with patient data. The security aspect of BYOD this has been heavily invested in, generally data is kept very safe. But what about the infection control/cross-contamination aspect? This is broadly addressed by advising people to clean their phones, this introduces significant risk if one considers the previous points. Phone covers can provide some protection, but they are often cumbersome and restrict the use of the phone in some way, they are also known to harbour bacteria at the point where the cover meets the device. There is no need to try and make an existing phone meet your infection control standards; to address 'Prevention is better than cure' our smartphones are designed and manufactured to work in a clinical environment: Anti-microbial materials prevent pathogens from establishing themselves and high Ingress Protection (IP) ratings mean that it is possible to clean these devices with soap and water. The material used also allows them to be cleaned with disinfectant wipes and cleaning chemicals. Finally, popular smartphones that are designed for the consumer market carry additional risks to a healthcare business in that they are both a target for opportunist thieves and they are easily damaged. Our smartphones are distinctly healthcare and therefore the risk of theft is reduce, in addition they are rugged by design.

ST455CL-MD Series

The ST455CL-i is a classical android Smartphone designed specifically for use in healthcare and medical environments. Featuring a Quad-core processor, 5" high resolution screen, a long-life battery, and an impressive array of communication and connectivity options. In addition, an impressive IP rating and ruggedized casing, the ST455CL-MD is both powerful and durable providing outstanding performance in challenging clinical environments and situations.

Features:

- 5" High-resolution touch screen
- Cortex ARM 1.3Ghz quad-core processor
- 10-hour, continuous use battery life
- Dual-frequency seamless roaming
- Wi-Fi, GPS, Bluetooth, RFID
- 1D/2D Barcode scanner
- Gravity/Light Sensor
- Gyroscope
- IP65 rating
- Rubberized and strengthened casing
- Ergonomic design
- Usable with thick gloves



Tablet PC's

The latest generation of tablet PC's offers a unique computing experience: Sporting Full-HD capacitive touch screens, high performance, energy efficient Intel® Celeron® dual core processors, and a full-slot smart card readers within a slim, lightweight, durable package. With built-in Wi-Fi and Bluetooth connection as well as options for front and back camera, our tablets offer health professionals an effective tool to monitor, record and retrieve patient information whilst on the move. Like our entire healthcare range our tablets are anti-microbial coated and they are EN/UL certified for use in a medical environment.



ST313-MD Series

The ST313SC-MD/ST313T-MD Medical are the latest generation of Medical Tablets from Sumo Technologies. Featuring the integration of brilliant 13.3" Full-HD touch screens, high performance as well as energy efficient Intel® processors, in slim, durable, bacteria-resistant packages. With options for fully integrated barcode scanner and camera modules, together with built-in Wi-Fi, Bluetooth and integrated RFID reader and single sign-on support make data access and security efficient and optimizes staff workflow.

Features:

- Intel® Celeron® or 6th or 8th Generation Core™ dual-core processor
- Support for Microsoft® Windows® 7 or Windows® 10 IoT
- 13.3" LED-backlight screen with capacitive touch and digital pen support
- UL60601-1 certified
- Anti-microbial enclosure
- Optional camera and 2D barcode scanner
- Optional Integrated dual-band RFID reader and single-sign-on authentication

Medical All-in-One PC's

Our all-in-one PC's combine unparalleled computing power and connectivity, with a sleek fanless aesthetic design, that is complimented by UL/EN certification and anti-microbial materials. In addition, capacitive touch screens, up to 4K resolution, DICOM options, an IP65 rating, a back-up battery, demonstrate a device that is specifically designed and built for the healthcare market.



ST524T-MD

The Sumo Healthcare ST524T medical grade all-in-one system integrates a 24-inch TFT-LCD with an energy-efficient Intel® Core™ i platform in a fanless, slim, bacteria-resistant enclosure. Designed for medical and healthcare applications, this LCD-integrated system provides space-saving solutions for health professionals to monitor, record and retrieve patient information as well as other point-of-care applications. The optional UPS battery provides backup protection to keep the system on short-term during an interruption in power. The built-in Wi-Fi and Bluetooth connection as well as data capture options also make data access efficient and optimizes staff workflow.

Features:

- Elegant all-in-one, slim, fanless design
- Intel® 6th Generation Core™ i processor
- 24" Full-HD LED-backlight screen, capacitive touch and 4K/ DICOM screen options
- UL60601-1 certified
- IP65 rated front panel with IPX2 rated enclosure
- Aluminum alloy enclosure with anti-microbial coating
- VESA-mountable for flexibility in mounting and deployment
- Optional front camera and UPS battery
- Optional integrated dual-band RFID reader with single-sign-on authentication

Battery Powered PC's

Combining the computing capabilities of a desktop PC with the flexibility of battery power, our cart computers afford unfettered access to the most processor-hungry applications without the restrictions of requiring mains power. As pioneers of the industry-standard three-battery design, our computers feature the most efficient power-management application, coupled with a commercially available battery for low cost of ownership.



ST59X Series

The ST592/ST594 Medical-Cart Computer, featuring the slim and elegant design of the all-in-one series, is the latest innovation in medical computing systems, integrating swappable batteries to facilitate mobility for healthcare applications. The Medical-Cart Computer integrates a vivid 22" or 24" display, a high performance Intel® processor, and an internal power supply in a fanless, compact, mountable package with anti-microbial coating. With WLAN connectivity and an optional touch screen panel, this Medical-Cart Computer is ideal for health professionals to manage patient information, and also eliminates the need to purchase costly medical-cart batteries.

Features:

- Integrated hot-swappable batteries, no power cord or external batteries required
- Intel® 6th Generation Celeron® or Core™ i5/i7 processor
- 22" or 24" TFT-LCD, capacitive touch option
- Slim, all-in-one design with anti-microbial enclosure
- Fanless design; IP65 rated front panel
- UL60601-1 certified
- Dual HDMI video outputs; up to 4K UHD resolution
- Built-in Bluetooth and 802.11ac WLAN
- VESA-mountable for flexibility in mounting and placement
- Optional RFID reader and smart card reader

Medical Displays

Our diagnostic quality medical displays are available in sizes from 19" to 55", with screen resolution options of up to 4K, DICOM compliant, capacitive touchscreen, multiple calibration options, and Ambient Light Sensors. In addition, features such as Picture in Picture and Picture by Picture compliment a impressive array of connectivity that delivers outstanding performance for surgery, radiography, ophthalmology, or any discipline where a high quality image is required.



ST8XXMD Series

The ST855MD is a 55" HD or 4K IP65 rated display certified for use in clinical environments. Whether mounted on its own stand, on a wall, or via a VESA mount, the ST855 provides unparalleled performance where large quality quality displays are required. Incorporating an impressive IP65 rating, fanless design, and clean lines the ST855MD can be cleaned to reduce the risk of cross-contamination or infection. Operating on its own or in synchronised with 2 or 4 additional displays, the ST855MD will provide class-leading presentation of image in theaters, oncology, radiography, endoscopy, indeed any clinical discipline that requires a large high-quality image.

Features:

- P65 in front & IPx1 whole unit
- ALS (optional)
- GPIO Remote control (optional)
- UHD signals configuration
- Full mode: one UHD signal input (DVI or DP)
- Dual mode: 2 signal inputs PBP or PIP
- Quad mode: 4 FHD signal inputs
- Luminance: 380 Cd/m²
- Display Type: 4K and DICOM Compliant
- Fanless
- UL/EN60601-1, UL/EN60601-1-2 Certified

Input Devices

The Accuratus Accumed range of medical grade keyboards & mice feature NANOARMOUR-2 dual layer antibacterial protection impregnated in the silicone and coated on the surface to aid in deactivating germs/build up of bacteria & virus's. The range are specifically designed for environments which have to meet very high hygienic requirements such as hospitals, dental practices, cosmetic surgeries, doctors, vets, laboratories and in food & pharmaceutical production areas.

Our Accumed range have all been designed so that there are no areas around the keys and buttons where dirt and germs can collect, this combined with our Nanoarmour 2 antibacterial technology is the perfect combination to aid with bacteria, virus, fungi and algae control.



Wireless Glass Medical Touchpad Keyboard

Completely washable, making it HTM 01-05 compliant and ideal for any medical application and clean room environment. For complete ease and comfort the keyboard comes with an angled and contoured base to assist when using on the desk or on your lap/hands.

IP67 Wireless Anti-microbial Mouse

The Accuratus AccuMed RF Mouse features NANOARMOUR-2 dual layer antibacterial protection impregnated in the silicone and coated on the surface to aid in deactivating germs/build up of bacteria & virus's.



IP67 Wireless Anti-microbial Mini Keyboard

Our Mini Keyboard features an Integrated mousepad with left and right mouse buttons, Mini UK key layout with clear and easy to read key legends with a tactile feel to allow for comfortable and natural typing. Attached to a PC via USB, with Fully sealed silicone casing, dust, water and chemical resistant



For our complete range of input devices visit www.sumohealthcare.com

