KAUKO CLINIQ SI-M MEDICAL PC

Technical Datasheet

Fanless computer workstation for hygiene and patient environments

Kauko CliniQ Si-M fanless medical computer is a powerful solution for demanding 24/7 use in hospital environments. It has been tested against the latest EU requirements for patient environments. Kauko CliniQ Si-M's hygienic aluminum housing is easy to disinfect, making it an ideal solution for intensive care stations, awakening rooms, sleep laboratories and operating rooms. Applications requiring heavy processing capability run smoothly due to the latest Intel® Core™ up to i7 -based desktop processors. Flexible interfaces combined with the powerful CPU ensure high ROI and long life cycle for the Kauko CliniQ Si-M.





- IEC 60601-1-2 4th Edition EMC CB Certificate
 IEC 60601-1 3.1st Edition Safety
- · Maintenance free and silent
- Hygienic and easy to clean no cooling fans
- Powerful Intel® Core™ 7th & 6th generation processor
- Optimized heat pipe cooling
- Very flexible PCI-e and PCI-e LP Slots
- Small and mountable
- Easy to integrate low leakage current
- IP classification up to IP64
- 100% final inspection of every unit
- 3 display support triple view
- ODD and hard disk and SSD support

TECHNICAL DATA

CPUs supported Intel i3-6100T i5-6500T i7-6700T or 7700T Clock speed, GHz i3=3.2, i5=2.5, i7=2.8 Cores i3=2 i5=4 i7=4 RAM up to 16GB DDR-4 2133Mhz dual channel Hard disk support 2.5" HDD or SSD & M-SATA SSD Optical disk Yes, optional BluRay/DVD rewriter Intel hyper threading i3=Yes i5=No i7=Yes Intel trusted platform module Intel V-PRO i3=No i5=Yes i7=Yes Cooling system DCC - direct copper cooling heat pipe IP classification IP42, IP64 optional Operation mode Continuous operation 4 x USB 3.0, 2 x USB 2.0, 4 x RS-232, 2 x Gb LAN, 1 x Display Port, 1 x HDMI, Audio In/Out WLAN Intel AC 8265 WLAN optional Housing Anodized aluminum heat pipe case Power supply External 12V medical PSU, Energy Star Efficiency Level V Dimensions, mm (w x h x I) 365 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3rd Ed, IEC 60601-1-2 4th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.				
Cores i3=2 i5=4 i7=4 RAM up to 16GB DDR-4 2133Mhz dual channel Hard disk support 2.5" HDD or SSD & M-SATA SSD Optical disk Yes, optional BluRay/DVD rewriter Intel hyper threading i3=Yes i5=No i7=Yes Intel trusted platform module Intel V-PRO i3=No i5=Yes i7=Yes Cooling system DCC - direct copper cooling heat pipe IP classification IP42, IP64 optional Operation mode Continuous operation Ports 4 x USB 3.0, 2 x USB 2.0, 4 x RS-232, 2 x Gb LAN, 1 x Display Port, 1 x HDMI, Audio In/Out WLAN Intel AC 8265 WLAN optional Housing Anodized aluminum heat pipe case Power supply External 12V medical PSU, Energy Star Efficiency Level V Dimensions, mm (w x h x l) S65 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3rd Ed, IEC 60601-1-2 4th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	CPUs supported	Intel i3-6100T	i5-6500T	i7-6700T or 7700T
RAM up to 16GB DDR-4 2133Mhz dual channel Hard disk support 2.5" HDD or SSD & M-SATA SSD Optical disk Yes, optional BluRay/DVD rewriter Intel hyper threading i3=Yes i5=No i7=Yes Intel trusted platform module optional, TPM 2.0 Intel V-PRO i3=No i5=Yes i7=Yes Cooling system DCC - direct copper cooling heat pipe IP classification IP42, IP64 optional Operation mode Continuous operation Ports 4 x USB 3.0, 2 x USB 2.0, 4 x RS-232, 2 x Gb LAN, 1 x Display Port, 1 x HDMI, Audio In/Out WLAN Intel AC 8265 WLAN optional Housing Anodized aluminum heat pipe case Power supply External 12V medical PSU, Energy Star Efficiency Level V Dimensions, mm (w x h x I) 365 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3rd Ed, IEC 60601-1-2 4th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Clock speed, GHz	i3=3.2, i5=2.5, i7=2.8		
Hard disk support 2.5" HDD or SSD & M-SATA SSD Optical disk Yes, optional BluRay/DVD rewriter Intel hyper threading i3=Yes i5=No i7=Yes Intel trusted platform module optional, TPM 2.0 i7=Yes Intel V-PRO i3=No i5=Yes i7=Yes Cooling system DCC - direct copper cooling heat pipe IP classification IP42, IP64 optional Operation mode Continuous operation Ports 4 x USB 3.0, 2 x USB 2.0, 4 x RS-232, 2 x Gb LAN, 1 x Display Port, 1 x HDMI, Audio In/Out WLAN Intel AC 8265 WLAN optional Housing Anodized aluminum heat pipe case Power supply External 12V medical PSU, Energy Star Efficiency Level V Dimensions, mm (w x h x l) 365 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3rd Ed, IEC 60601-1-2 4th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Cores	i3=2	i5=4	i7=4
Optical disk Intel hyper threading i3=Yes i5=No i7=Yes Intel trusted platform module Intel V-PRO i3=No i5=Yes i7=Yes Cooling system DCC - direct copper cooling heat pipe IP classification IP42, IP64 optional Operation mode Continuous operation Ports 4 x USB 3.0, 2 x USB 2.0, 4 x RS-232, 2 x Gb LAN, 1 x Display Port, 1 x HDMI, Audio In/Out WLAN Intel AC 8265 WLAN optional Housing Anodized aluminum heat pipe case Power supply External 12V medical PSU, Energy Star Efficiency Level V Dimensions, mm (w x h x l) 365 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3 rd Ed, IEC 60601-1-2 4 th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	RAM	up to 16GB DDR-4 2133Mhz dual channel		
Intel hyper threading Intel trusted platform module Intel V-PRO I3=No I5=Yes I7=Yes Cooling system DCC - direct copper cooling heat pipe IP classification IP42, IP64 optional Operation mode Continuous operation Ports 4 x USB 3.0, 2 x USB 2.0, 4 x RS-232, 2 x Gb LAN, 1 x Display Port, 1 x HDMI, Audio In/Out WLAN Intel AC 8265 WLAN optional Housing Anodized aluminum heat pipe case Power supply External 12V medical PSU, Energy Star Efficiency Level V Dimensions, mm (w x h x l) 365 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3 rd Ed, IEC 60601-1-2 4 th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Hard disk support	2.5" HDD or SSD & M-SATA SSD		
Intel trusted platform module Intel V-PRO i3=No i5=Yes i7=Yes Cooling system DCC - direct copper cooling heat pipe IP classification IP42, IP64 optional Operation mode Continuous operation Ports 4 x USB 3.0, 2 x USB 2.0, 4 x RS-232, 2 x Gb LAN, 1 x Display Port, 1 x HDMI, Audio In/Out WLAN Intel AC 8265 WLAN optional Housing Anodized aluminum heat pipe case Power supply External 12V medical PSU, Energy Star Efficiency Level V Dimensions, mm (w x h x l) 365 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3 rd Ed, IEC 60601-1-2 4 th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Optical disk	Yes, optional BluRay/DVD rewriter		
Intel V-PRO i3=No i5=Yes i7=Yes Cooling system DCC - direct copper cooling heat pipe IP classification IP42, IP64 optional Continuous operation Ports 4 x USB 3.0, 2 x USB 2.0, 4 x RS-232, 2 x Gb LAN, 1 x Display Port, 1 x HDMI, Audio In/Out WLAN Intel AC 8265 WLAN optional Housing Anodized aluminum heat pipe case Power supply External 12V medical PSU, Energy Star Efficiency Level V Dimensions, mm (w x h x l) 365 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3 rd Ed, IEC 60601-1-2 4 th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Intel hyper threading	i3=Yes	i5=No	i7=Yes
Cooling system IP classification IP42, IP64 optional Continuous operation Ports 4 x USB 3.0, 2 x USB 2.0, 4 x RS-232, 2 x Gb LAN, 1 x Display Port, 1 x HDMI, Audio In/Out WLAN Intel AC 8265 WLAN optional Housing Anodized aluminum heat pipe case Power supply External 12V medical PSU, Energy Star Efficiency Level V Dimensions, mm (w x h x l) 365 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3 rd Ed, IEC 60601-1-2 4 th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Intel trusted platform module	optional, TPM 2.0		
IP classification IP42, IP64 optional Continuous operation Ports 4 x USB 3.0, 2 x USB 2.0, 4 x RS-232, 2 x Gb LAN, 1 x Display Port, 1 x HDMI, Audio In/Out WLAN Intel AC 8265 WLAN optional Housing Anodized aluminum heat pipe case Power supply External 12V medical PSU, Energy Star Efficiency Level V Dimensions, mm (w x h x l) 365 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3 rd Ed, IEC 60601-1-2 4 th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Intel V-PRO	i3=No	i5=Yes	i7=Yes
Operation mode Continuous operation 4 x USB 3.0, 2 x USB 2.0, 4 x RS-232, 2 x Gb LAN, 1 x Display Port, 1 x HDMI, Audio In/Out WLAN Intel AC 8265 WLAN optional Housing Anodized aluminum heat pipe case Power supply External 12V medical PSU, Energy Star Efficiency Level V Dimensions, mm (w x h x I) 365 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3 rd Ed, IEC 60601-1-2 4 th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Cooling system	DCC - direct copper cooling heat pipe		
Ports 4 x USB 3.0, 2 x USB 2.0, 4 x RS-232, 2 x Gb LAN, 1 x Display Port, 1 x HDMI, Audio In/Out WLAN Intel AC 8265 WLAN optional Housing Anodized aluminum heat pipe case Power supply External 12V medical PSU, Energy Star Efficiency Level V Dimensions, mm (w x h x l) 365 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3rd Ed, IEC 60601-1-2 4th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	IP classification	IP42, IP64 optional		
LAN, 1 x Display Port, 1 x HDMI, Audio In/Out WLAN Intel AC 8265 WLAN optional Anodized aluminum heat pipe case Power supply External 12V medical PSU, Energy Star Efficiency Level V Dimensions, mm (w x h x l) 365 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3rd Ed, IEC 60601-1-2 4th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Operation mode	Continuous operation		
Housing Anodized aluminum heat pipe case Power supply External 12V medical PSU, Energy Star Efficiency Level V Dimensions, mm (w x h x l) 365 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3 rd Ed, IEC 60601-1-2 4 th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Ports			
Power supply External 12V medical PSU, Energy Star Efficiency Level V Dimensions, mm (w x h x l) 365 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3rd Ed, IEC 60601-1-2 4th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	WLAN	Intel AC 8265 WLAN optional		
Dimensions, mm (w x h x l) 365 x 95 x 258 Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3 rd Ed, IEC 60601-1-2 4 th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Housing	Anodized aluminum heat pipe case		
Weight, kg 5.0 Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3rd Ed, IEC 60601-1-2 4th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Power supply	External 12V medical PSU, Energy Star Efficiency Level V		
Temperature range, °C +5 to +40 Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3 rd Ed, IEC 60601-1-2 4 th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Dimensions, mm (w x h x l)	365 x 95 x 258		
Humidity, % 5 to 90 (no condensation) Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3rd Ed, IEC 60601-1-2 4th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Weight, kg	5.0		
Supported OS Windows 7, 8.1, 10, embedded Certification IEC 60601-1 3 rd Ed, IEC 60601-1-2 4 th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Temperature range, °C	+5 to +40		
Certification IEC 60601-1 3 rd Ed, IEC 60601-1-2 4 th Ed, EMC CB Certificate, CE, RoHS. Certification organization is an EU notified body.	Humidity, %	5 to 90 (no condensation)		
Certificate, CE, RoHS. Certification organization is an EU notified body.	Supported OS	Windows 7, 8.1, 10, embedded		
	Certification	Certificate, CE, RoHS. Certification organization is an EU		
Country or production Germany	Country of production	Germany		

Specs are subject to change.

