

SMART-MED ST-BOOK

14.1" fanless Medical Notebook for ORs, Intensive Care Units and mobile solutions



- ▶ powerful - Intel Quad Core i5/ i7 11th. Generation CPU
- ▶ safe and durable - shock proofed, robust Magnesium body according to Military Standard
- ▶ easy to carry & high ergonomic - only 1.2 kg with backlit High Quality Keyboard
- ▶ natural color Display for reviewing of Images - 99.6 % sRGB color space
- ▶ cleanable - fully wipeable with most common cleaning agents



Long Battery Runtime

The ST-BOOK has a very energy efficient Design with a low power, but high bright, IPS Display with only needs around 1 Watt. Due to this energy saving, fanless Design, the ST-BOOK is able to work up to 16 hours in normal office work mode. The 'Supercharge' Battery Management charges the Battery within 60 Minutes to 60% Capacity.

The powerful and fanless ST-BOOK Notebook is designed to meet the increased demand of Mobile Computer Solutions in Patient environments. Due to the extremely long Battery Runtime, the fanless Design, the High-Bright Natural Color Display and the super fast WIFI 6 AX wireless LAN, is the ST-BOOK ideal to create a modern Medical Electrical System. The robust and shock resistant Magnesium Housing protect the ST-BOOK against nearly every impact, which can happen in the daily life in a Hospital..

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Technical Datasheet SMART-MED ST-BOOK

Description	ST-BOOK i5	ST-BOOK i7
Part No.	2001543	2001544
CPU	Intel Core i5-1135G7	Intel Core i7-1165G7
Clock Speed / Cache	2.4 to 4.2 GHz / 8 MB	2.8 to 4.7 GHz / 12 MB
CPU Cores / Virtual Cores	4 / 4	4 / 4
Display	14.1" IPS - Low Temperature Poly Silicon -Panel	
Panel Color Depth	Real 8 Bit with True Black technology	
Color Fidelity	99.6 % sRGB	
Nonreflecting	Yes, non glare	
Display Hardness	6 H	
max. Resolution	1920 x 1080	
Brightness / Contrast Ratio	300 cd/m2 / 2000:1	
Viewing Angle	178° /178° H / V	
Flicker Free	Yes, Flicker Free Backlight without PWM	
Display Tilt	0 - 180 degree	
Remote Access	Yes	
RAM Standard setting	8 GB	
max. RAM	40 GB (1x 8 GB + 1x 32GB) DDR4 2666 Mhz	
Hard Disk / SSD	250 GB M.2 SSD (max. 2x M.2 SSD)	
No. of supported Displays	up to 2 Displays (1x external) with up to 4096x2160p	
Network	Intel WIFI 6 AX with Wake On Lan	
Wireless Connection	Bluetooth 5.0	
4G-LTE	optional available 4G LTE Modul with Micro-SIM Card Slot	
Audio	Intel HD Audio, 2x 3 W Speakers, 2 in 1 Audio with Line In/Out	
Microfon	built in Microfon with active Noise Reduction	
Webcam	built in 720P HD Webcam (Microsoft Hello compatible)	
Ports	2x USB 3.0, 1x HDMI 2.0b (HDCP), 1x USB C 4.0 with Display Port 1.4, Power Delivery	
Card Reader	Micro SD	
Housing	Ruggedized Magnesium AZ91D with ABS Display Frame	
Cooling System	Fanless -Single Channel Copper Heatpipe	
IP-Classification	IP 41	
Shock Proof	according to MIL-STD-810G	
Keyboard	Chiclet Keyboard, spill resistant with illuminated backlight	
available Keyboard Layouts	German, France, England, Sweden/Finland, US, Italy, Norway, Poland, Greek, Spain, Russia, Portugal, Hungary, Arabic, Turkey, Croatia/Slovenia, Switzerland, Estonia, Slovakia, Czech Republic	
Touch Pad	Microsoft Precision Touch Pad with 2 Mouse Buttons, including Scroll & Zoom	
Security Functions	TPM 2.0, Kensington Lock	
Battery	built in 73 Wh Lithium-Ion Battery with 1000 cycles (replaceable)	
Power Supply	external, medical 65W Power Supply, 110-240V AC Input	
Dimensions	322 x 16.5 x 217 mm (WxHxD)	
Weight	1.2 Kg incl. Batteries (w/o ext. Power Supply)	
Temperature Range	0 °C to 40 °C (charge mode)	
Production Standard	ISO 9001	
Warranty	2 years	
supported Operating Systems	Windows 10, Linux	
Conformity	CE, RoHS	
Norms	IEC 60601-1-2 :2014, Power Supply: IEC 60601-1 :2012	
Scope of Delivery	Manual, Driver USB-Stick, Power Supply, AC-Cord	

