SPECTRAN® V6

MOBILE

RUGGED REAL-TIME SPECTRUM ANALYZER



TECHNICAL DATASHEET

Aaronia SPECTRAN® V6 Mobile 100TA-6

Real-Time Spectrum Analyzer Tablet PC

AARONIA AG
WWW.AARONIA.DE

MADE IN GERMANY

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SPECTRAN V6 Mobile 100TA-6 SKU 102/071

Integrated Tablet PC Specifications

Platform	AMD Hawk Point FP8
CPU	AMD Ryzen™ 7 8-Core 8845HS (24MB Cache, 3.8GHz-5.10GHz)
GPU	AMD Radeon™ 780M
RAM	64 GB LPDDR5
SSD	2 TB M.2 NVMe
OS	Windows 11
Display	15.6“ Touchscreen, 1500nit
Display Resolution	Full HD 1920x1080
Batteries	1x built in (15,2V, 5600mAh, 85,12Wh); 1x tool free swappable (15,2V, 6400mAh, 98,8Wh)
Runtime	Typ. > 2h / battery
Connectors	DC IN, 2x RJ45 2.5 GbE, SFP+, 3x USB-A, USB-C, HDMI, SD Slot (Standard), audio jack, RS232 (COM-Port)
Expansion slots	2 x M.2 2280 M-Key, SSD 2 x M.2 2242 M-Key, SSD 1 x M.2 2230 E-Key, Wifi/Bt 1 x M.2 3042 oder 3052 B-Key, 4G/5G, 1x Nano-SIM
Cameras	Front and rear with privacy slider
Misc	smart pen, carrying handle, hands-free strap, back stand, VESA 100 mount, 220W power supply with C22 connector, EU-cable with C21 connector, battery AAAA (for smart pen)
Operating temperature	-40° to +60°C
Storage temperature	-40° to +70°C
Weight	6.5 kg
Dimensions (LxBxH)	411 x 270 x 56 mm

Spectrum Analyzer Specifications

Frequency range	Gapless 9 kHz to 6 GHz
Rx	1 (+23 dBm)
Tx	-
Frequency resolution	1 Hz
Frequency accuracy	0.5 ppm
Real-time bandwidth Rx	44 MHz
Sweep speed	500 GHz/s
Resolution bandwidth	62 mHz to 200 MHz
Internal low noise pre-amp	Optional
DANL	Max. -170 dBm/Hz, min. -150 dBm/Hz
IQ POI	30 ns
ADC	2GSPS 16 Bit
DAC	2GSPS 14 Bit
DSP processing	930 GMACs



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