



SPECTRAN® V6

MOBILE

RUGGED REAL-TIME SPECTRUM ANALYZER



TECHNICAL DATASHEET

Aaronia SPECTRAN® V6 Mobile 100TA-6
Real-Time Spectrum Analyzer Tablet PC



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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	▶ 2x M.2 2280 M-Key, M.2 3052 B-Key, 2x M.2 2242 M-Key, M.2 2230 E-Key, 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

