



# SPECTRAN V6

— BEYOND REALTIME —



## TECHNICAL DATASHEET

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



# SPECTRAN<sup>®</sup> V6 MOBILE

Real-Time Spectrum Analyzer Tablet PC

## SPECTRAN V6 MOBILE 100TA-6 SKU 102/071

### Integrated Tablet PC Specifications

**CPU** ▶ AMD Ryzen™ 7 8-Core 8845HS

**GPU** ▶ AMD Radeon™ 780M

**RAM** ▶ 64 GB LPDDR5

**SSD** ▶ 1 TB M.2 NVMe

**Operation system** ▶ Windows 11

**Display** ▶ 15.6" Touchscreen, 1500nit

**Batteries** ▶ 2x Rechargeable (Hot-Swap)

**Runtime** ▶ Typ. > 2h / battery (hot-swappable)

**Connectors** ▶ HDMI, USB-C Gen 3.2 (5 Gbps),  
3x USB-A 3.0, 2x RJ45 2.5 GbE, SFP+, 3.5 mm audio jack, RS232, SD Reader

**Expansion slots** ▶ 2x M.2 2280, 3x M.2 2242, SIM

**Cameras** ▶ Front and rear

**Misc** ▶ Smart pen, carrying handle, hands-free strap, back stand, VESA 100 mount, 220W power supply

**Operating temperature** ▶ -40° to +60°C

**Storage temperature** ▶ -40° to +70°C

**Weight** ▶ < 5,000 g

**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** ▶ No

**DANL** ▶ Max. -170 dBm/Hz, min. -150 dBm/Hz

**IQ POI** ▶ < 1 μs

**ADC** ▶ 2GSPS 16 Bit

**DAC** ▶ 2GSPS 14 Bit

**DSP processing** ▶ 930 GMACs

