Keysight Technologies
N6841A QUICK Note 1
Product Fact Sheet

Selecting a Computer to run SMT/Geolocation, Signal Surveyor, Vector Signal Analysis (VSA) and Snapshot Radio

Processor

To effectively run processes that support RF Search, Intercept, Classification and Geolocation, it is recommended to specify a computer with:

– processors with greater than 2.5 GHz clock
– 8 to 12 GB RAM
– 1 TB hard drive.

Display

An adequate display area is also needed. Dual flat panel displays– each 30 inches or larger are suggested. The hp.com website has several desktop machines that meet these requirements

Operating System

Microsoft Windows XP Professional SP3 (32 bit); Microsoft Windows 7 Professional, Enterprise, or Ultimate (32 bit or 64 bit)

Applications

– Keysight Technologies, Inc. Sensor Management Tool - SMT (this product ships at no cost with the N6841A RF Sensor) and includes these applications:
  – Sensor Placement and Optimization Tool (SPOT) for planning a sensor installation
  – Sensor Management Server. This is a service installed on the PC to manage the RF Sensors.
  – Sensor Access Library. This is an API for writing custom applications for the Sensor.

– Keysight N6854A Geolocation Server Software. This is the Geolocation application that runs inside of the SMT and requires a license file to operate.
– Keysight N6820ES Signal Surveyor Software. This is licensed to one PC or one USB key. A single license can run up to 6 individual instances each using different N6841A RF Sensors.
– Keysight N6829B Snapshot Radio software. This is licensed to one PC or one USB key. It is used to produce Audio from IQ files created by the various RF Sensor applications.
– Keysight 89601B Vector Signal Analyzer software. This is licensed to one PC and can run on one RF Sensor at a time.
– These additional applications will be needed:
– Google Earth (downloadable from the Internet). This requires an Internet connection to provide interactive geographic information.
– Microsoft Office Suite for spreadsheet, image and report generation
– Adobe Reader (for the system documentation)
– Internet Explorer Version 8.0 or higher

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If an IP67 compliant processor is required, refer to the Stealth PC website, www.stealth.com

The Stealth WPC-525F is a rugged PC that is completely water-tight, surviving liquids, chemicals, dust and dirt intrusion and meeting IP67/NEMA 6 environmental specifications.

With no cooling fans the internal CPU is passively cooled through a robust chassis design. The rugged, small form PC operates from a wide range of DC input power (6-36VDC) making it ideal for use with the N6841A.

– Waterproof / Water Resistant
– Dust, rain and splash resistant, IP67/NEMA 6 rated
– Fanless Low Noise, Low Power Consumption
– Intel D525 1.8 GHz Dual Core CPU
– DC Input, Wide Range 6 - 36VDC
– 3D Graphics with 16x9 Capability
– Solid State Hard Drives (SSD)
– Vesa 75mm/100mm Mounting
– Windows 7 and XP Pro Compatible, *other O/S Options Available

Dimensions:
10.15" (W) x 6.22" (D) x 2.04" (H)
(258 mm x 158 mm x 52 mm)

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