HotSpot Episode 26: Spoofing an $80M Yacht

Eric Sorensen, Coordinator of Multimedia Development

This week on WDD's HotSpot, brought to you by Memory Protection Devices [1]:

- Lantronix's [2] xPico Wi-Fi device server has the ability to interface applications with mobile devices, and allows for easy points of access while maintaining a secure network. With the xPico Wi-Fi, consumers are able to leverage mobile solutions, reduce development costs by shortening time-to market for development projects and applications, and have quality of ownership along with peace of mind.
- A research team from the University of Texas at Austin [3] successfully spoofed an 80 million dollar private yacht [4] using the world's first openly acknowledged GPD spoofing device. The purpose of the experiment was to measure the difficulty of carrying out a spoofing attack at sea and to determine how easily sensors in the ship's command room could identify the threat, in hopes to shed light on the perils of navigation attacks, serving as evidence that spoofing is a serious threat to marine vessels and other forms of transportation.
- Vishay Precision Group [5] has released a new video that explores using VFR Bulk Metal Foil commercial off-the-shelf (COTS) resistors [6] to calibrate and maintain the accuracy of precision temperature measurement systems utilizing resistance temperature detector (RTD) sensors. The short video demonstrates the selection and use of foil resistors to simulate physical parameters in the calibration of RTD-based temperature measurements, and how the ultra-low-TCR precision resistors are nearly immune to drift over temperature and time, serving as the ideal reference to check against the RTD under any operating condition. With Bulk Metal Foil resistors, RTD-based systems can be recalibrated in harsh environments and hold their accuracy for several years.
- Saelig [7] has announced the TEG4000-1, which is a laboratory quality, synthesized 200 to 4,000 megahertz RF signal source. This handy RF source can be swept in step sizes as low as 1 kilohertz between any two frequencies in its specified range. It offers a +1 decibel of output from its SMA connector, and it is controlled and set via the supplied PC software. The TEG4000-1 has a power consumption is of 150 milliamps at 5 volts and also features 0.5 Gigabytes of flash memory used for installation files, test data, and other supporting documentation.

Do you have story ideas? Comment below or email wdd_web@advantagemedia.com [8] we'll cover them in an upcoming episode.

For more information visit http://memoryprotectiondevices.com/ [1]

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