

# Silver Palm Technologies

Receivers, Transceivers, and SDRs



A wireless engineering company that specializes in high quality products, custom services, and quick-reaction solutions that support radio frequency and microwave distribution, signal conditioning, down and up conversion, and signal processing.

**Your Solution From Antenna to Data**

**SP** *Technologies*

# Receivers

Silver Palm Technologies offers many high performance receivers products with broad frequency coverage in small modular packages. The receivers feature super heterodyne architectures to provide maximum RF performance in dense signal environments yet are very economically priced. The receivers all have a low-noise figures, high dynamic range, and nominal gain with IF outputs that are optimized for digitization. The receivers are powered from 9 –16 VDC and can be controlled with RS-232 or USB interfaces using high-level industry common ASCII commands.



*SP-8383-x*

Model	Frequency Range (MHz)	BW (MHz)	Packaging	Features
SP-8318	2–8000	80	3" × 5.5" × .6"	One Channel Unit 187.5 MHz Analog IF Output LO Synchronization Master/Slave LO Configuration <500 μs Tuning Time HF Bypass
SP-8383-2	20–3000	40	3" × 5" × .6"	One Channel Unit 70 MHz Analog IF Output Four Selectable IF Bandwidths
SP-8383-3	20–6000	40	3" × 5" × .6"	One Channel Unit 70 MHz Analog IF Output Four Selectable IF Bandwidths
SP-8384	20-6000	40	6" × 5" × .93"	Four Channel Unit 70 MHz Analog IF Output

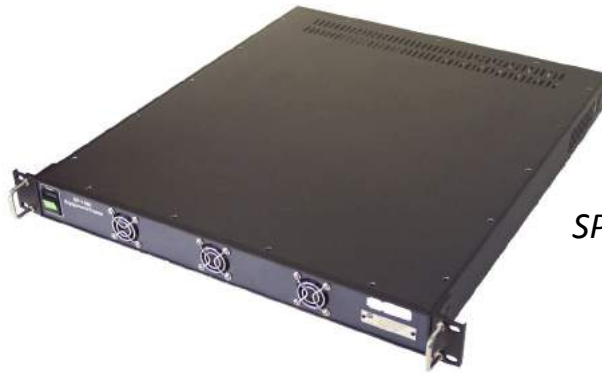
# Software-Definable Radios and Transceivers

Silver Palm Technologies offers a series of state-of-the-art Software-Definable Radio (SDR) products. These include highly integrated receivers and transmitters. The SDR products support VITA 49 digital IF output standards with time tagging over various industry standard interfaces.



SP-8344

Model #	Chnl	Frequency	BW	Output	Features
SP-1342	4	20–6000	40	VITA 49 IF over 10 GB Ethernet	CD-ROM Drive Package, 12V DC Powered, Optional GPS-Stabilized 10 MHz Reference, Optional Flexible Resampler, 10/100 Ethernet or RS-232 Control, Optional Larger FPGA
SP-1381	1–8	20–6000	40	VITA 49 IF over 10 GB Ethernet	1U Package, 100-250 VAC Powered, GPS-Stabilized Reference, Flexible Resampler, 10/100 Ethernet or RS-232 Control, Optional Larger FPGA
SP-8304	4	300–4000	20	VITA 49 Thunder bolt 3 or PCIe	Modular 4" × 6" × 1.5", 4 Independent Tuners, Optional integrated GPS, Configurations for Thunderbolt 3 or PCIe Interface, GNU Radio Compatible
SP-8309	4 Rx/1 Tx	300–4000	20	VITA 49 IF over USB 3.0	Modular 4" × 6" × 1", 4 Rxs and 1 Tx sharing 2 LOs, Phase-Coherent Channels, GNU Radio Compatible, Optional Integrated Antenna
SP-8344	4	20–6000	40	VITA 49 IF Output, Aurora	3U VPX Conduction Cooled, VITA 67.3 RF Connections, GPS Reference, Flexible Resampler, Optional PCIe IF Interface, 10/100 Ethernet Control
SP-8385	1	20–6000	4	21.4 MHz Analog IF, AM/ FM/Log	Modular 3.5" × 6.0" × 1.1", SDR Replacement for Analog Receivers, Ethernet Control, Streaming FFT Signal Monitor, SDR Platform for Custom Applications



SP-1381



SP-8309



SP-8385



SP-1342



SP-8304

For more information, visit [www.silverpalmtech.com](http://www.silverpalmtech.com), e-mail [info@silverpalmtech.com](mailto:info@silverpalmtech.com), or call 301-874-0065.