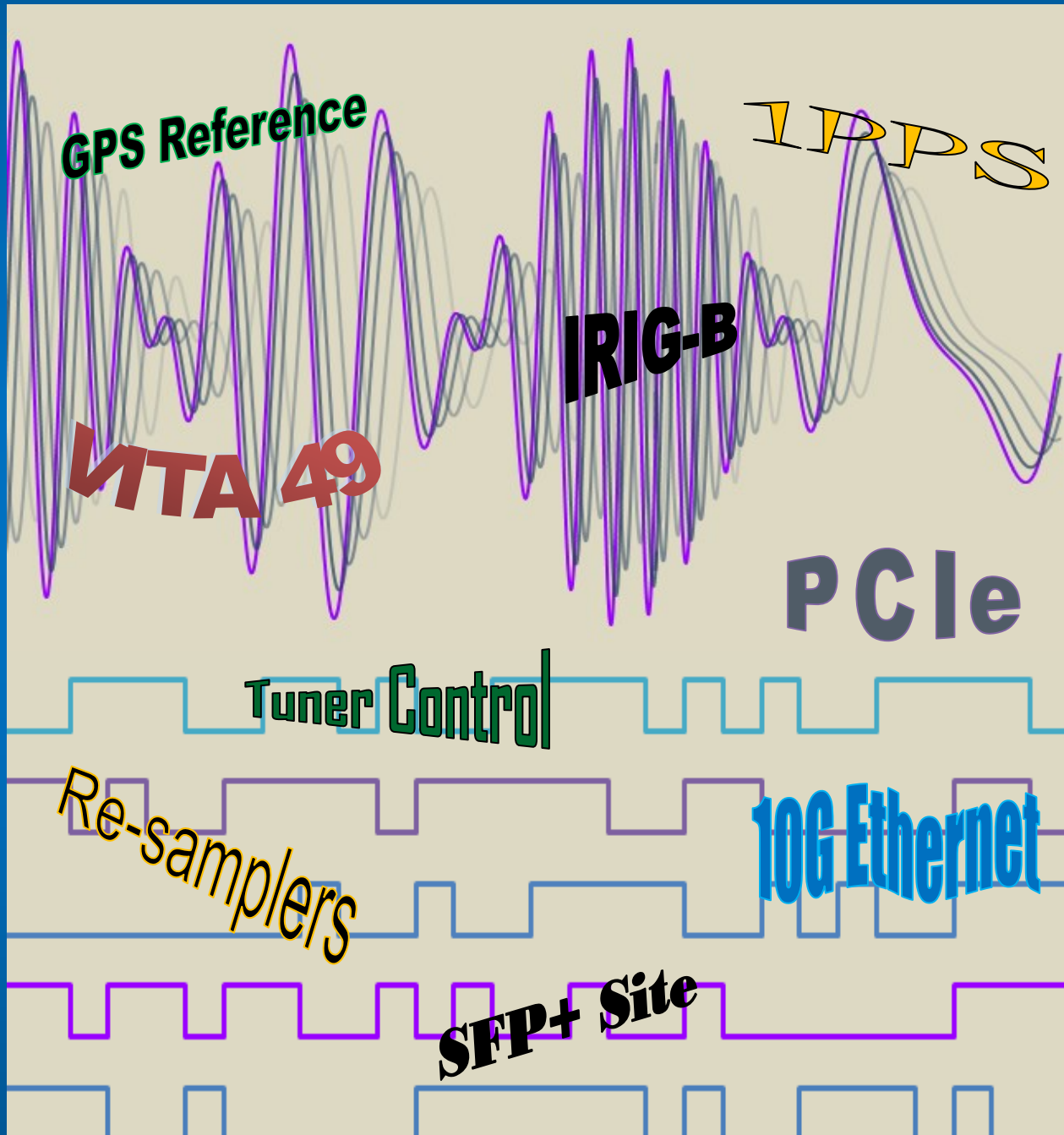


Digital IF Processing

Standard and custom IF signal processing products



Analog IF to Digital IF Converters

Silver Palm Technologies offers an extensive line of products that integrate with existing receiver and tuner assets to convert analog intermediate frequency (IF)-based systems to a modern 10-gigabit Ethernet (10GE) digital IF format. All of the benefits of a completely digital 10GE-based IF architecture can be achieved without the need to replace costly radio frequency (RF) front-end hardware. Products offered by Silver Palm Technologies provide enhanced features such as the following:

- VMEbus International Trade Association (VITA) 49 compliant IF format
- IF bandwidths up to 40 MHz
- Small form-factor pluggable (SFP+) site to support various 10GE physical interfaces
- Integrated 10 MHz GPS-stabilized reference
- Integrated digital down converters (DDCs) and resamplers
- Pass-through receiver control



SP-5841

	Channels	Analog IF Inputs	Digital IF Output	Control	Packaging
SP-5701	4	Up to 40 MHz at center frequencies up to 80 MHz	10GE (SFP+ site) VITA 49 format	10/100 MBit Ethernet or RS-232	Module for custom integration
SP-5801	4 or 8	Up to 40 MHz at center frequencies up to 80 MHz	10GE (SFP+ site) VITA 49 format	10/100 MBit Ethernet or RS-232	1U 19" rack mount
SP-5802	4 or 8	Up to 40 MHz at 140 MHz/160 MHz	10GE (SFP+ site) VITA 49 format	10/100 MBit Ethernet or RS-232	1U 19" rack mount
SP-5841	4	Up to 40 MHz at center frequencies up to 80 MHz	10GE (SFP+ site) VITA 49 format	10/100 MBit Ethernet or RS-232	CD-ROM form factor (SFF-8551)

Integrated Digital IF Solutions

In addition to an extensive line of IF digitizers, Silver Palm Technologies also offers products with integrated high-performance RF tuners. These products provide a high level of integration within an extremely economical system architecture. Features include the following:

- Tuners supporting 20 MHz to 6 GHz frequency ranges
- Up to 40 MHz bandwidth
- Flexible packaging, rack mount , or portable.



SP-1342

	Tuners	Digital IF Output	Control	Packaging
SP-1321	1–2	10GE (SFP+ site) VITA 49 format	10/100 MBit Ethernet or RS-232	CD ROM form factor (SFF-8551)
SP-1341	1–4	10GE (SFP+ site) VITA 49 format	10/100 MBit Ethernet or RS-232	5.8" × 1.65" × 13.5"
SP-1342	4	10GE (SFP+ site) VITA 49 format	10/100 MBit Ethernet or RS-232	CD ROM form factor (SFF-8551)
SP-1380	1–8	External digitizer	10/100 MBit Ethernet or RS-232	1U 19" rack mount
SP-1381	1–4 or 1–8	10GE (SFP+ site) VITA 49 format	10/100 MBit Ethernet	1U 19" rack mount
SP-8304	4	PCIe or Thunderbolt VITA 49 format	PCIe or Thunderbolt	3" × 5" × 1"
SP-8309	4	USB 3.0 VITA 49 format	USB 3.0	3" × 5" × 1"
SP-8344	4	Aurora data link VITA 49 format	10/100 MBit Ethernet or RS-232	3U Conduction Cooled VPX



SP-8309



SP-1380



SP-1381

For more information, visit www.silverpalmtech.com, e-mail info@silverpalmtech.com, or call 301-874-0065.