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Herrick Technology Laboratories, Inc.

Price List



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General Information

Pricing and Orders:

Pricing provided in this document is “Most Favored Customer or U.S. Government” pricing. Additional discounts may be available for quantities greater than those listed. While every effort has been made to ensure the accuracy of this document, HTL reserves the right to change pricing, specifications, options and accessories without notice. Please contact your HTL representative or Marketing@herricktechlabs.com for a quotation and the latest technical data.

Delivery:

FOB Origin. Delivery of the products contained in this document is typical accomplished within 120 to 180 days after receipt and acceptance of an order. HTL recognizes that schedule requirements vary and in many cases is able to accommodate. Please contact your HTL representative or Marketing@herricktechlabs.com with your requirements.

Payment Terms:

As a small business HTL requests performance based payments per FAR-32-104(b)(c)(d). Payment schedules will be negotiated prior to award.

Warranty:

HTL warrants products to be free from defects in materials and workmanship for a period of two (2) years from the date of shipment.

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Contact:

Herrick Technology Laboratories, Inc.
20201 Century Blvd.
Suite 200
Germantown, MD 20874
Phone: (301) 972-2037
Fax: (301) 972-1299
Marketing@herricktechlabs.com

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HTLx

Miniature Quad Transceiver



HTLx Core Module
Shown with Apple iPhone 6



HTLx-U

DESCRIPTION

Small Form-Factor Multichannel VHF/UHF/Microwave Transceiver

The HTLx is a 4 channel Software Defined Radio designed to support various ES and EA missions.

- Extended frequency range 2 MHz-18000 MHz
- 4 Phase Coherent or Independent Transceivers (remotely configurable)
- Each channel can be remotely configured
- Integrated Selective Availability Anti-Spoofing Module (SAASM) GPS*, Chip Scale Atomic Clock (CSAC) and Inertial Navigation System (INS) device.
- High performance FPGA including integrated ARM9 cores with NEON coprocessors enable high performance signal processing applications against modern waveforms. Upgradable via replacement of the digital board.
- Open Architecture including an SDK with Board Support Package to enable rapid development of new capabilities.

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HTLx

Miniature Quad Transceiver

Model	Part Number / Option Number	Description	Unit Price		
			1 to 5	6 to 15	16 to 25
HTLx		Miniature Quad VHF/UHF/Microwave Transceiver. Core Module	\$85,000.00	\$80,750.00	\$78,735.00
SAASM GPS		SAASM GPS for HTLx Core Module	\$6,000.00	\$6,000.00	\$6,000.00
HTLx-U		Miniature Quad VHF/UHF/Microwave Transceiver. Core Module mounted in the Universal Enclosure w/ Commercial Front Panel.	\$100,887.00	\$95,845.00	\$93,450.00
HTLx-U/RMM		Removable Media Module for HTLx-U	\$3,800.00	\$3,800.00	\$3,800.00
HTLx-U/RMK		Rack Mount Kit for HTLx-U	\$5,100.00	\$5,100.00	\$5,100.00

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HTLx-T

Miniature Quad Transceiver



HTLx T

Shown with Apple iPhone 6

DESCRIPTION

Small Form-Factor Multichannel VHF/UHF Transceiver

The HTLx-T is a 4 channel Software Defined Radio designed to support various ES and EA missions in the tactical environment.

- Extended frequency range 2 MHz-6000 MHz
- Environmentally rugged electronics' enclosure qualified for IP67 water immersion at 1 meter for 30 minute duration
- 4 Phase Coherent or Independent Transceivers (remotely configurable)
- Each channel can be remotely configured
- Integrated Selective Availability Anti-Spoofing Module (SAASM) GPS*, Chip Scale Atomic Clock (CSAC) and Inertial Navigation System (INS) device.
- High performance FPGA including integrated ARM9 cores with NEON coprocessors enable high performance signal processing applications against modern waveforms. Upgradable via replacement of the digital board.
- Open Architecture including an SDK with Board Support Package to enable rapid development of new capabilities.

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HTLx-T

Miniature Quad Transceiver

Model	Part Number / Option Number	Description	Unit Price		
			1 to 5	6 to 15	16 to 25
HTLx-T		Tactical Miniature Quad VHF/UHF Transceiver 2MHz to 6000 MHz	\$89,900.00	\$85,405.00	\$83,270.00
SAASM GPS		SAASM GPS for HTLx-T	\$6,000.00	\$6,000.00	\$6,000.00
HTLx-T/RMM		Removable Media Module for HTLx-T	\$3,800.00	\$3,800.00	\$3,800.00
HTLx-T/TBC		Tactical Breakout Cable Assembly for HTLx-T	\$2,130.00	\$2,130.00	\$2,130.00

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HTLx-T2

Miniature Quad Transceiver



HTLx T2
Shown with Apple iPhone 6

DESCRIPTION

Small Form-Factor Multichannel VHF/UHF Transceiver

The HTLx-T2 is a 4 channel Software Defined Radio designed to support various ES and EA missions in the tactical environment.

- Extended frequency range 2 MHz-18 GHz
- Environmentally rugged electronics' enclosure qualified for IP67 water immersion at 1 meter for 30 minute duration
- 4 Phase Coherent or Independent Transceivers (remotely configurable)
- Each channel can be remotely configured
- Integrated Selective Availability Anti-Spoofing Module (SAASM) GPS*, Chip Scale Atomic Clock (CSAC) and Inertial Navigation System (INS) device.
- High performance FPGA including integrated ARM9 cores with NEON coprocessors enable high performance signal processing applications against modern waveforms. Upgradable via replacement of the digital board.
- Open Architecture including an SDK with Board Support Package to enable rapid development of new capabilities.

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HTLx-T2

Miniature Quad Transceiver

Model	Part Number / Option Number	Description	Unit Price		
			1 to 5	6 to 15	16 to 25
HTLx-T2		Tactical Miniature Quad VHF/UHF Transceiver 2MHz to 18 GHz	\$102,150.00	\$97,045.00	\$94,620.00
SAASM GPS		SAASM GPS for HTLx-T2	\$6,000.00	\$6,000.00	\$6,000.00
HTLx-T2/RMM		Removable Media Module for HTLx-T2	\$3,800.00	\$3,800.00	\$3,800.00
HTLx-T2/TBC		Tactical Breakout Cable Assembly for HTLx-T2	\$2,130.00	\$2,130.00	\$2,130.00

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DR-4

Small Form-Factor Wideband Recorder



DR-4 Small Form-Factor Wideband Recorder Chassis

DESCRIPTION

Small Form-Factor Wideband Recorder

The DR-4 is an SSD array which is interoperable with multiple HTL radio transceivers to support a variety of recorder based ConOps.

- Interoperable with HTLx & HTLw based systems to provide RF record/RF playback capability from 2 MHz to 18 GHz
 - HTLx: Record/playback one to four 80 MHz channels
 - HTLw: Record/playback one 1000 MHz channel
- Recorded data is precision time-stamped
- Low SWaP recorder: 2U, 3.47”H x 5.65”W x 9.5”D, 3.4 lbs (with SSDs), 50W typical
- Four removable COTS 2.5” PCIe NVMe SSDs
- Selectable Recording Bandwidth:
 - HTLx: 80,70, 60, 50, 40, 30, 20, 18, 10, 5 and 1.25 MHz
 - HTLw: 1000, 500, 250, and 100 MHz
- Thunderbolt 3.0 Data Offload

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DR-4

Small Form-Factor Wideband Recorder

Model	Part Number / Option Number	Description	Unit Price		
			1 to 5	6 to 15	16 to 25
DR-4		Small Form Factor Wideband Recorder Chassis only does not include SSD's. 4 SSD's required, see SSD options below	\$37,335.00	\$35,470.00	\$34,585.00
DR-4/SSD1.92T		Lot of 4 SSD's. 1.92 TB Commercial Temp mounted in removable trays	\$5,785.00	\$5,495.00	\$5,360.00
DR-4/SSD3.84T		Lot of 4 SSD's. 3.84 TB Commercial Temp mounted in removable trays	\$10,040.00	\$9,540.00	\$9,305.00

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HTLw

Miniature Quad Transceiver



HTLw Core Module
Shown with Apple iPhone 6



HTLw with Universal Enclosure (HTLw-U)
Shown with Apple iPhone 6

DESCRIPTION

Small Form-Factor Multichannel Microwave Transceiver

The HTLw is a 4 channel Software Defined Radio designed to support various missions.

- Extended frequency range: 20 MHz-18 GHz
- 1 GHz instantaneous BW / channel
- 4 Phase Coherent or Independent Transceivers; coherent ganging of multiple units supported by back-panel connectors
- Each channel can be remotely configured for Rx or Tx
- Ethernet or USB Control
- PDW and VRT 10 GigE Data via SFP+ connections

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HTLw

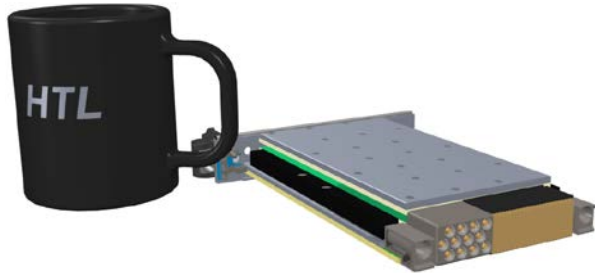
Miniature Quad Transceiver

Model	Part Number / Option Number	Description	Unit Price		
			1 to 5	6 to 15	16 to 25
HTLw		Miniature Quad VHF/UHF/Microwave Wideband Transceiver. Core Module	\$149,000.00	\$141,550.00	\$138,010.00
HTLw-U		Miniature Quad VHF/UHF/Microwave Wideband Transceiver mounted in the Universal Enclosure w/ Commercial Front Panel.	\$164,885.00	\$156,640.00	\$152,725.00
SAASM GPS		SAASM GPS for HTLw-U.	\$6,000.00	\$6,000.00	\$6,000.00
HTLw-U/RMM		Removable Media Module for HTLw-U	\$3,800.00	\$3,800.00	\$3,800.00
HTLw-U/RMK		Rack Mount Kit for HTLw-U	\$5,100.00	\$5,100.00	\$5,100.00

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HTLv-1A

3U VPX Quad Transceiver Module



**HTLv-1A, 3U VPX Quad
Transceiver Module**

DESCRIPTION

3U OpenVPX Quad Channel HF/VHF/UHF Transceiver Module

The HTLv-1A is a multichannel Software Defined Radio packaged as a 3U REDI/VITA 67.3 conduction-cooled VPX module designed to support various missions.

- Frequency range 2 MHz – 6 GHz
- 4 Phase Coherent or Independent Transceivers
- Pluggable Unit-to-Unit Coherency Via OpenVPX Backplane VITA 67.3
- 80 MHz instantaneous BW for each channel
- Each channel can be remotely configured for Tx/Rx
- High performance FPGA including integrated ARM9 cores with NEON coprocessors enable high performance signal processing applications against modern waveforms.
- Processors Linked together through SERDES Transceivers and Hybrid Memory Cube
- Platform enables high performance signal processing applications against modern waveforms.

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HTLv-1A

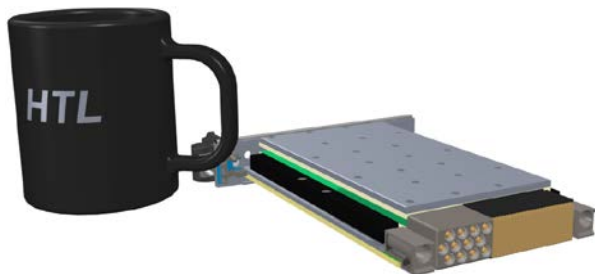
3U VPX Quad Transceiver Module

Model	Part Number / Option Number	Description	Unit Price		
			1 to 5	6 to 15	16 to 25
HTLv-1A		3U VPX Quad Transceiver Module, 2 MHz to 6GHz	\$44,750.00	\$42,515.00	\$41,455.00

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HTLv-2A

3U VPX Dual Transceiver Module



**HTLv-2A, 3U VPX Dual
Transceiver Module**

DESCRIPTION

3U OpenVPX Dual Channel HF/VHF/UHF/Microwave Transceiver Module

The HTLv-2A is a multichannel Software Defined Radio packaged as a 3U REDI/VITA 67.3 conduction-cooled VPX module designed to support various missions.

- Frequency range 2 MHz – 18 GHz
- 2 Phase Coherent or Independent Transceivers
- Pluggable Unit-to-Unit Coherency Via OpenVPX Backplane VITA 67.3
- 80 MHz instantaneous BW for each channel
- Each channel can be remotely configured for Tx/Rx
- High performance FPGA including integrated ARM9 cores with NEON coprocessors enable high performance signal processing applications against modern waveforms.
- Processors Linked together through SERDES Transceivers and Hybrid Memory Cube
- Platform enables high performance signal processing applications against modern waveforms.

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HTLv-2A

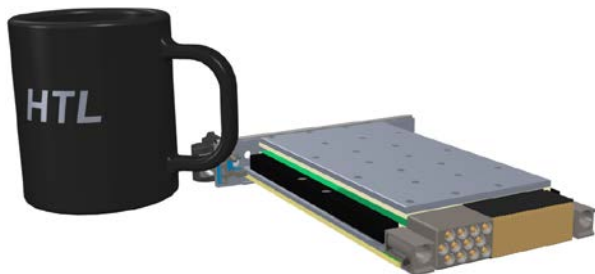
3U VPX Dual Transceiver Module

Model	Part Number / Option Number	Description	Unit Price		
			1 to 5	6 to 15	16 to 25
HTLv-2A		3U VPX Dual Transceiver Module, 2 MHz to 18 GHz	\$48,750.00	\$46,315.00	\$45,160.00

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PNTRv-A

3U VPX Reference Module



**PNTRv-A, 3U VPX Reference
Module**

DESCRIPTION

3U OpenVPX Precision Navigation and Timing Reference Module

The PNTRv-A design requirements were derived from the Joint Airborne SIGINT Architecture (JASA) specification. The key specifications of interest for the design of the PNTR from the JASA specification follow. It should be noted that JASA defines a Threshold and an Objective set of requirements.

- Provides low noise 100MHz reference using Chip Scale Atomic Clock (CSAC)
- Integrated inertial navigation system (INS) with GPS
- Optional SAASM GPS available with RS232 key fill connectivity
- 100MHz outputs
- Programmable 250 MHz outputs
- Output 1PPS synchronous to 100MHz
- On board antenna switching to devices
- 1 GbE Control Interface to OpenVPX Backplane

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PNTRv-A

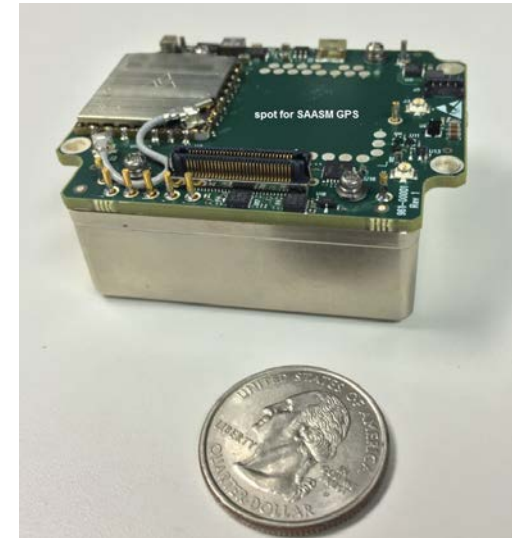
3U VPX Reference Module

Model	Part Number / Option Number	Description	Unit Price		
			1 to 5	6 to 15	16 to 25
PNTRv-A		3U VPX Precision Navigation and Reference Module	\$35,400.00	\$33,630.00	\$32,790.00
SAASM GPS		SAASM GPS for PNTRv-A	\$6,000.00	\$6,000.00	\$6,000.00

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HTL PNTR

Precision Navigation and Timing Reference



DESCRIPTION

Low SWAP applications

- Provides low noise 10MHz reference using Chip Scale Atomic Clock (CSAC)
- Integrated inertial navigation system (INS) with GPS
- Optional SAASM GPS available with RS232 key fill connectivity
- Dual 1PPS outputs at LVDS
- Dual 10MHz outputs at CMOS
- Outputs 1PPS synchronous to 10Mhz
- <1.4W with SAASM GPS
- On board antenna switching to devices
- Integrated charging of external super-cap, used for CSAC holdover during battery switching

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HTL PNTR

Precision Navigation and Timing Reference

Model	Part Number / Option Number	Description	Unit Price		
			1 to 5	6 to 15	16 to 25
HTL PNTR		Precision Navigation and Timing Reference	\$12,150.00	\$11,545.00	\$11,255.00
SAASM GPS		SAASM GPS for HTL PNTR	\$6,000.00	\$6,000.00	\$6,000.00