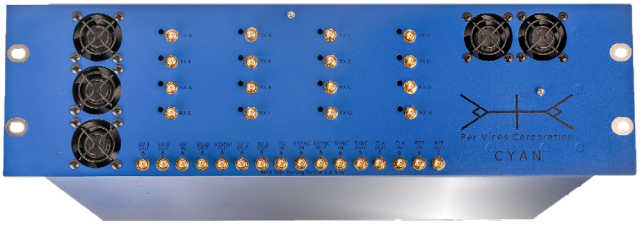
Per Vices Corporation

PRODUCT SHEET

Per Vices Corporation
High Performance Software Defined Radio Products

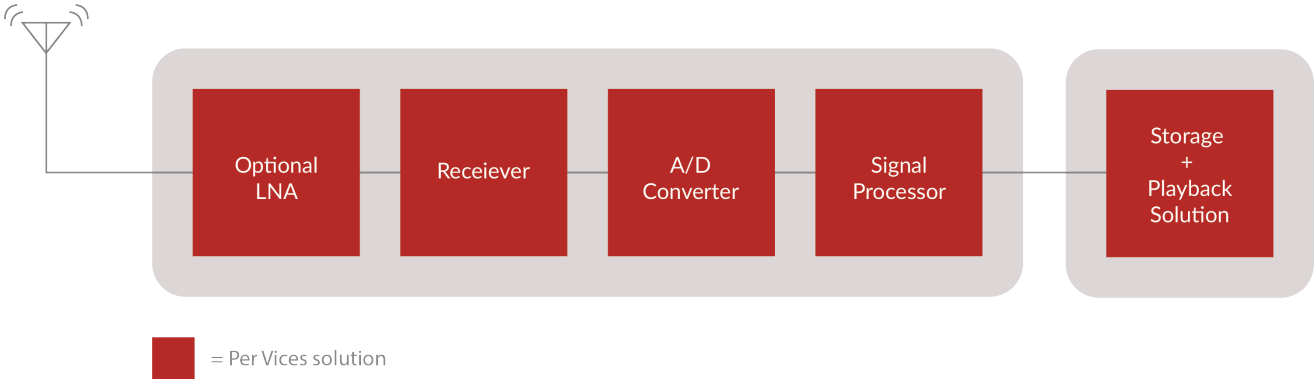
What is SDR?



OVERVIEW

Software defined radio (SDR) are flexible, high performance, radio and signal processing devices that are able to convert analog signals to digital and vice versa. They are more dynamic and advanced than conventional single-application hardwired radios due to the majority of the components being configured through software. The signal processing is conducted in field programmable gate arrays (FPGAs), which have the ability to be reprogrammed as needed, without having to undergo any hardware changes. This makes it easier to add new features and swap in new equipment onto existing infrastructure, and upgrade and adapt for future technological advancements.

SDR APPLICATION DIAGRAM



WHERE WE FIT IN OVERALL APPLICATION

Offering flexibility in the RFE, tuning to a wide frequency range, and over 16GHz of instantaneous RF bandwidth, our SDR gives you the power to capture and monitor the largest chunk of spectrum available while determining the best configurations to seamlessly capture the data you need in real-time. With multiple (up to 16), independent, radio chains, there exists the ability to aggregate data for a continuous monitoring of a large amount of spectrum, tune to specific frequencies of interest, or stream data for post processing making use of the large number of channels. Data can be transferred with 0% packet loss over 4 x 40Gbps ports to a Storage and Playback Solution offered by Per Vices with different storage capacity options available

KEY INTEGRATION VALUE

Per Vices Cyan SDR with Storage and Playback Solution offer customers a fully configured and ready to use COTS solution that is in a rack mount form factor. If this out-of-the-box solution does not meet your requirements, we can work with customers to determine the optimal configuration, provide support services, and ensure the long term operability of the solution that meets your needs.

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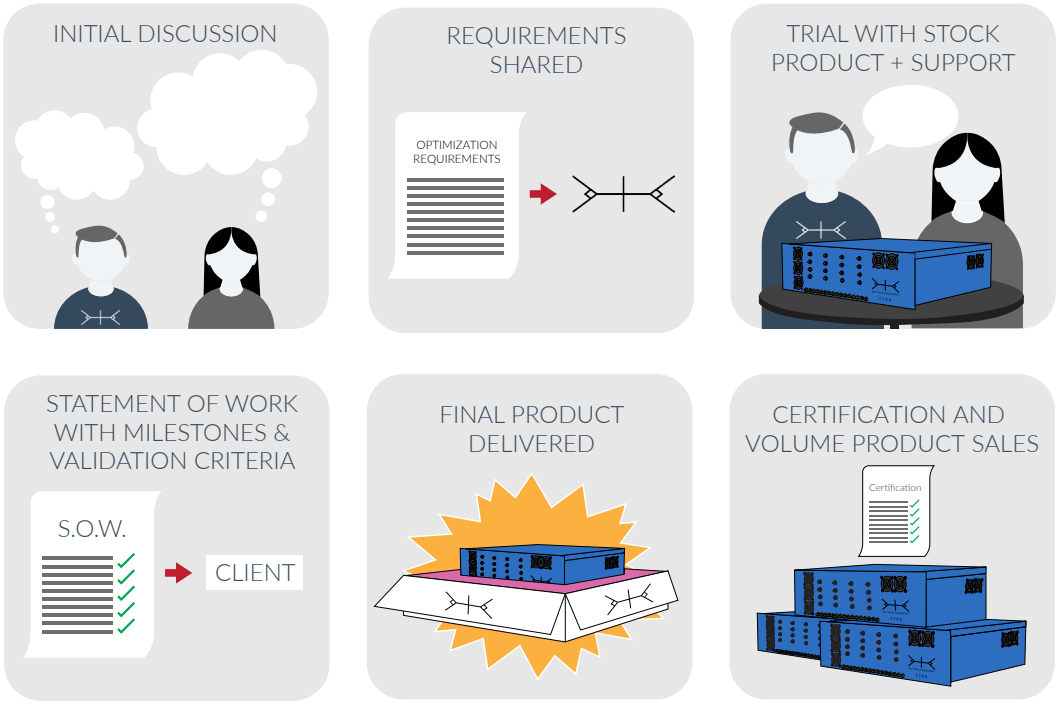
END CUSTOMER BENEFITS

The Cyan SDR enables multiple benefits for operators including the wide operating frequency, high channel count, very high instantaneous bandwidth, and high throughput digital backhaul. When this is paired with our Storage and Playback Solution, customers benefit from a fully configured system that ensures lossless data transfer and enough storage capacity to meet any need. This COTS solution is easy to use and can be easily integrated into other systems and offers control through an Ethernet port to ensure configuration and use can be accessed anywhere on the network.

PER VICES COLLABORATIVE PROCESS



WHAT WE NEED FROM YOU

To better understand your needs and to provide you with an effective solution we will need to know the recording requirements including frequency of operation, bandwidth, number of channels, data storage requirements, and any specific RF performance requirements that need to be met.

During these discussions we will also discuss timelines and goals for the project as they relate to the optimization between cost and performance. All this information helps us to make sure that we are providing you with the solution that best matches your needs while working with a COTS solution to manage any risks associated with new projects.

WORKING TOGETHER

Please contact us at solutions@pervices.com to learn more about how we can help you. Following our initial discussion, our team will support you throughout the whole process, from a trial with a stock product, to developing out specific requirements for a statement of work, all the way to the volume integration and certification stage. Our engineers work with you each step of the way to ensure it's a smooth and easy integration of our product into your systems.

CONTACT US

More information is available at www.pervices.com.
If you have any questions, please contact us at **solutions@pervices.com.**