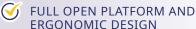
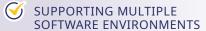


# REVOLUTIONARY SCALE











### **PULSER**

Voltage Range From 10 to 200Vpp Sine, Burst, Rectangular, Waveform Type Gaussian, Chirp, Custom Each channel can be set independently **Channel Configuration Extended Transmit** Up to 1ms Signal Bandwith 100kHz to 15MHz Dynamic > 40dB at 5MHz Power 30W per batch of 64 channels Output impedance < 7 Ohms

20 kHz

# **RECEIVER**

Maximum PRF

Receiver Resolution14 bits per channelReceiver Gain Range12~56 dBReceiver Bandwidth0.3 to 20 MHzReceiver Focusing Delay0 to 40 μs

# COMMUNICATION

Communication Link 2x 100Gbps QSFP28

Data Flow 16 GB/s (1 GB/s per batch of 64 channels)

# **SYSTEM**

Configuration 1024/1024AWG

Ultrasound Imaging Modes Pulse-Echo (B-mode), Doppler, STA, etc...

Dimensions 750 x 800 x 910 mm
29.5 x 31.5 x 35.8 in.

Weights < 150 Kg / 331 lb

Open Source SDK Yes (Fully Documented API)

Software Languages C++, Python, MATLAB

Operating Systems Linux

# SIGNAL PROCESSING

Ascan Resolution 14 bits
Ascan Sampling 50 MHz
Decimation 50, 25, 12.5, 6.25,... MHz

Photos and specifications not contractual.

### I/O MANAGEMENT

Synch In	Pulse Trig, Sequence Trig, Encoders
Synch Out	Pulse Trig, Sequence Trig, Output
Pin Assignments	Programmable
I/O Count	8