



ZTEC Instruments is a pioneering instrument design and manufacturing company whose product focus is modular oscilloscopes, digitizers, RF test equipment and waveform generators. ZTEC's instruments are unique in that they provide common bench-top capabilities in modular form factors, including compact PCI/PXI, VXI, LXI, and PCI. Below you will find a snap shot of all of our instruments.

## Oscilloscopes

Series	Resolution	Maximum Sample Rate	Analog Bandwidth	Channels			Voltage Ranges	Maximum Record Length
				PCI/PXI	VXI	LXI		
ZT4210	8 bit	1 GS/s	300 MHz	2	2 or 4	2 or 4	12.5mVpp - 400Vpp	256M samples
ZT4420	12 bit	1 GS/s	300 MHz	2	2 or 4	2 or 4	10mVpp - 50Vpp	256M samples
ZT4430	13 bit	500 MS/s	300 MHz	2	2 or 4	2 or 4	10mVpp - 50Vpp	256M samples
ZT4440	14 bit	800 MS/s	300 MHz	2	2 or 4	2 or 4	10mVpp - 50Vpp	256M samples
ZT4610	8 bit	4 GS/s	1 GHz	2	2 or 4	2 or 4	12.5mVpp - 100Vpp	512M samples
ZT4620	8 bit	2 GS/s	500 MHz	2	2 or 4	2 or 4	8mVpp - 50Vpp	256M samples
ZT410	14 bit	500 MS/s	250 MHz	2	4	-	50mVpp - 50Vpp	16M samples
	16 bit	400 MS/s	250 MHz	2	4	-	50mVpp - 50Vpp	16M samples
ZT430	12 bit	200 MS/s	90 MHz	2	4	-	100mVpp - 50Vpp	4M samples
ZT450	8 bit	2.50 GS/s	750 MHz	2	4	-	50mVpp - 100Vpp	32M samples
	8 bit	2 GS/s	500 MHz	2	4	-	50mVpp - 100Vpp	32M samples
	8 bit	1 GS/s	500 MHz	2	4	-	50mVpp - 100Vpp	32M samples
ZT621	8 bit	1 GS/s	250 MHz	-	2	-	10mVpp - 100Vpp	30k samples
ZT1428	8 bit	1 GS/s	250 MHz	-	2	-	8mVpp - 50Vpp	1M samples

Additional Options	Product	Max Input	SFDR
Direct Path (DP) Option	ZT4420-DP	±1V	80 dBc
	ZT4430-DP	±1V	80 dBc
	ZT4440-DP	±1V	80 dBc
High Voltage (HV) Option	ZT4420-HV	±200V	65 dBc
	ZT4430-HV	±200V	65 dBc
	ZT4440-HV	±200V	65 dBc
Differential (DF) Option	ZT4420-DF	±100V	65 dBc
	ZT4430-DF	±100V	65 dBc
	ZT4440-DF	±100V	65 dBc

## RF and Wireless Communication

Series	Frequency Range	Instantaneous Bandwidth	Real Time Signal Processing	I/Q Data	I/Q Data Rate	ADC	Spurious Free Dynamic Range	Memory	Inputs or Channels	Input Voltage Ranges
ZT8440	DC to 1GHz	100 Hz to 160 MHz	DDC with fractional resampling	32 bit resolution	100 S/s to 200 MS/s	Dual 400 MS/s 14 bit	≥80 dBc	512 MB	2 single ended Inputs	fixed +10dBm
ZT8450	DC to 300 MHz	100 Hz to 160 MHz	DDC with fractional resampling	32 bit resolution	100 S/s to 200 MS/s	Dual 400 MS/s 14 bit	≥80 dBc	512 MB	4 single ended Inputs	+10dBm, 0dB, -10dBm, -20dBm
ZT8650	DC to 6GHz	100 Hz to 160 MHz	DDC with fractional resampling	32 bit resolution	100 S/s to 200 MS/s	Dual 400 MS/s 14 bit	≥80 dBc	512 MB	2 Diff. Inputs 1 RF Input	Diff. Inputs: +10dBm, 0dB, -10dBm, -20dBm RF Input: +10 dBm to -30 dBm

Series	Platforms	Frequency Range	Level Range	Modulation Bandwidth	Phase Noise at 9 GHz	Spurious Free Dynamic Range
ZT8101	PXI	1 MHz to 1,3,6, or 9 GHz	-130 dBm to +30 dBm	150 MHz	9GHz: -103 dBc/Hz @ 10 kHz offset	≥ 75 dB

## Waveform Generators

Series	Resolution	Maximum Sample Rate	Analog Bandwidth	Channels			Max Output Voltage	Maximum Record Length
				PCI/PXI	VXI	LXI		
ZT5153	14 bit	200 MS/s	50 MHz	-	2 or 4	-	±14V	32M samples
ZT5210	14 bit	200 MS/s	50 MHz	2	2 or 4	2 or 4	±14V	32M samples
ZT500	14 bit	300 MS/s	200 MHz	1	-	-	±3.5V	2M samples
ZT530	16 bit	400 MS/s	75 MHz	2	4	-	±10V	2M samples

**Please call** your representative today to find out more! **1.866.ZTEC.NOW** or **1.505.342.0132**