# VDS6000 Series 4CH PC Oscilloscope
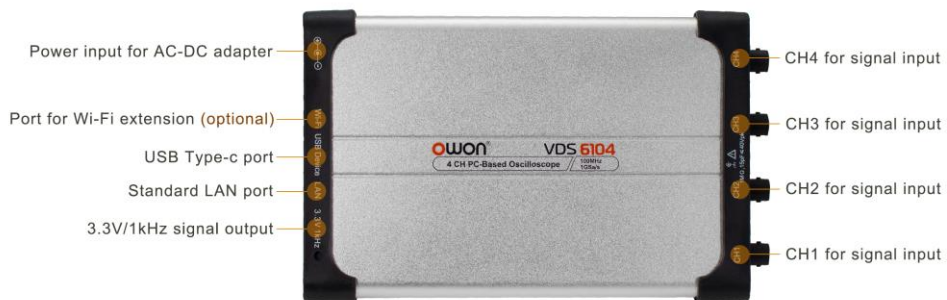
**+** 4 channels ultra thin design

+70MHz-100MHz bandwidth, and 1GS/s real-time sample rate

+ Max 10M record length, max 14 bits high resolution ADC

+ SCPI、LABVIEW supported

+ Support the secondary development of windows / Linux / Android / Ios platform

**+** USB typ-c power supply, faster data transmission, support 5-15v wide voltage power supply

+ Wi-Fi unlimited transmission, more convenient to use. (Wi-Fi accessories are required)

+ Support software for Windows and Mac OS

# Ports design



Power input for AC-DC adapter

Port for Wi-Fi extension (optional)

USB Type-c port

Standard LAN port

3.3V/1kHz signal output

CH4 for signal input

CH3 for signal input

CH2 for signal input

CH1 for signal input

Type-C port
Powering and transmitting data at the same time

Optional Wi-Fi adapter
wireless network control

Standard LAN port
remote control instrument

Power input for AC-DC adapter

3.3V/1kHz signal output

Mobile power supply

When using Wi-Fi, you can use 5V/2A output mobile power to enjoy the joy of wireless collection.

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## + Performance Specifications

| Model | VDS6074 | VDS6104 | VDS6074A | VDS6104A |
|---|---|---|---|---|
| Bandwidth | 70MHz | 100MHz | 70MHz | 100MHz |
| Channel | 4 channels | | | |
| Sample Rate | 1GSa/s | | | |
| Horizontal Scale (s/div) | 1ns/div ~ 100s/div,　step by 1 ~ 2 ~ 5 | | | |
| Sampling mode | General sampling, peak detection, average | | | |
| Record Length | 10M | | | |
| Input Coupling | DC, AC, GND | | | |
| Input Impedance | 1MΩ±2%,  in parallel with15pF±5pF | | | |
| Time base accuracy | ±25ppm | | | |
| Vertical Sensitivity | 2mV/div ~ 5V/div | | | |
| Vertical Resolution (A/D) | 8bits | | 8bits/12bits/14bits | |
| Max Input Voltage | 40V Peak value  (DC + AC Peak value) | | | |
| Bandwidth limitation | 20 MHz,  full bandwidth | | | |
| Probe Attenuation Factor | 1X,  10X,  100X,  1000X | | | |
| Isolation between channels | 50Hz:  100 : 1,  10MHz:  40 : 1 | | | |
| Interpolation | Sin(x)/x | | | |
| Single Bandwidth | full bandwidth | | | |
| Low frequency response (AC coupling, - 3dB) | ≥5Hz  (in BNC ) | | | |
| DC Gain Accuracy | ±3% | | ±2% | |
| Trigger Type | Edge, Pulse,Video, Slope, | | | |
| Line / Field Frequency (video) | NTSC, PAL, and SECAM standard | | | |
| Trigger Mode | Auto, Normal, and Single | | | |
| Cursor Measurement | △V, and △T between cursors | | | |
| Automatic Measurement | Vpp, Vmax, Vmin, Vtop, Vbase, Vamp, Vavg, Vrms, Overshoot, Preshoot, Freq, Period, Rise Time, Fall Time, Delay A→B⌐ , Delay A→B ⌐ , +Width, -Width, +Duty, -Duty | | | |
| Lissajous Figure | Bandwidth | full bandwidth | | |
| | Phase Difference | ±3 degrees | | |
| Communication Interface | USB Device (Typ-c);  USB Host ; LAN, Wi-Fi(optional) | | | |
| frequency counter | support | | | |
| Dimensions (W × H × D) | 190mm×120mm×18mm | | | |
| Device Weight | About 0.45kg | | | |

Specifications subject to change without prior notice.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Probe | Probe Adjust | USB Cable | CD Rom | Wi-Fi Modular(optional) | Adapter | Power Cord | Quick Guide |

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