

# Dx310S

**Provides performance and versatility to address your most demanding applications**

Exatron Dx310S desktop featuring an Intel H610 chipset is designed for a budget-friendly PC ideal for everyday tasks like Browse, office work, and e-learning. It supports Intel's 12th and 13th Gen processors, offering reliable performance for essential computing needs

## Exatron Dx310S

- **Modern Intel CPU Support**
- **Flexible Memory Options**
- **High-Speed Storage & Graphics**
- **Excellent Connectivity**

### Ideal for

- **Basic Home/Office Productivity PC**
- **Student Workstation / E-Learning Setup**
- **Casual Entertainment PC**

## Intel H610 chipset

With the Intel® H610 chipset and the 12th generation Intel® Core™ i9/ i7/ i5/ i3 processors and Intel® Pentium® processors, you will immediately be at the forefront of the battlefield, fueled by mind-blowing power and performance. From content creation to gaming, the Intel H610 chipset provides you with the power and performance you need.



## HD Audio

Provides high quality sound with minimal loss of audio fidelity.



## Hi-Fi AMP

The built-in amplifier can drive major high-end headphones with over 100dB loads and offer wide band-width, low noise, high slew rate and low distortion audio source from front panel I/O. Gaming enthusiasts can enjoy a fuller range of dynamic sound with crisper details and less distortion.



## Hi-Fi Ground

EXATRON Hi-Fi Ground ( Golden Line ) is noise-blocking multi-layer PCB design to isolates analog audio signals from digital sources. Unique PCB layout is ideal for exceptional clarity and high fidelity sound.



## Smart Ear

Smart EAR is a windows-based audio utility which allows you to easily adjust system volume. With its user-friendly GUI, you can also increase or decrease impedance setting (Low/High Gain) to optimize your headphone performance. You can easily enjoy high-quality and awesome sound.



# Dx310S

Provides performance and versatility to address your most demanding applications

## HDMI 4K2K

The new 4K2K resolution enables high-definition image display with four times the resolution of full HD, 4K2K display is faithfully express bright, highly detailed content that fills the entire screen with lifelike images. Connectivity with PCs via a single HDMI cable for displaying 4K2K data.



## DX 12

DirectX 12 introduces the next version of Direct3D, the graphics API at the heart of DirectX. Direct3D is one of the most critical pieces of a game or game engine, and we've redesigned it to be faster and more efficient than ever before. Direct3D 12 enables richer scenes, more objects, and full utilization of modern GPU hardware.



## Dual DDR4

The primary advantages of DDR4 over DDR3, include higher module density, lower voltage requirements, coupled with higher data transfer rate.



## S-Hyper PWM

The S-Hyper PWM has DCR current sensing architecture and lossless characteristic, offering excellent precision in delivering stable power with 100% fixed voltage to ensure that critical components of the motherboard are under protected with the maximum performance and reliability.



## Super Durable Solid Caps

The best quality solid state capacitors with ultra low ESR design, the Super Durable Solid Caps doubles the lifespan.



## PCIe 3.0

PCIe 3.0 is the ubiquitous and general-purpose PCI Express I/O standard. At 8GT/s bit rate, the interconnect performance bandwidth is doubled over PCIe 2.0, while preserving compatibility with software and mechanical interfaces.



## SATAIII 6Gbps

SATAIII 6Gbps provides a higher bandwidth to retrieve and transfer HD media. With this super speed data transfer, SATAIII allows an incredible data boost which is 2x faster than the SATA II.



## PCIe 4.0 M.2

PCIe 4.0 M.2 delivers the highest bandwidth and lower latency. It is 2 times faster compared with PCIe 3.0 M.2 .



## USB 3.2 Gen1 Type-A

USB 3.2 Gen1 delivers a compelling performance boosts and can be used to connect multiple devices without worrying about compatibility. It is capable of data transfer speeds up to 5Gbps and backwards compatible with all existing USB products.



## Super LAN Surge Protection

Super LAN Surge Protection, providing LAN port with more advanced antistatic protection capabilities by adding an integrated chip to strengthen electrical stability and prevent damage from lightning strikes and electrical surges. SLSP (Super LAN Surge Protection) series motherboard upgrades the existing system protection standards with maximum 4X protection comparing to other board makers.



# Dx310S

Provides performance and versatility to address your most demanding applications

## ESD Protection

ESD (Electrostatic Discharge) is the major factor to destroy the PC by electrical overstress (EOS) condition. ESD occurred by PC users when touch any devices connect to a PC, which may result in damage to the motherboard or parts. ESD protection is designed to protect the motherboard and equipment from damage by EOS.



## 2.5Guard

2.5GUARD features 2.5G having higher data transfer speeds and can strengthen electrical stability and prevent damage from lightning strikes and electrical surges. It's 2.5X improvement than standard Ethernet connections.



## UEFI BIOS

Unified Extensible Firmware Interface (UEFI) is a brand new framework that provides a revolutionary interface. It is a modern clear and easy-to-use graphical user interface. The UEFI comes with a colorful easy-understand icons leads users into the setup layer directly.



## Debug LED

Debug LED helps you identify any issues going with your board or hardware. When error occurs, the corresponding LED lights will inform you on the status of your board or hardware to shorten the test time effectively.



## OC / OV / OH Protection

OC / OV / OH Protection design detects over voltage conditions and prevents voltage surges from spreading in real time. It also actively cuts off the over voltage supply to protect your system.



## BIO-Flasher

BIO-Flasher is a convenient BIOS update tool. Just launch this tool and put the BIOS on USB pen driver before entering the OS. You can update your BIOS with only a few clicks without preparing an additional floppy disk or other complicated flash utility.



## A.I FAN

With A.I FAN users can ensure that their gaming PC can maintain its performance while staying cool. According to different cooling needs and usage scenarios, users can control speed modes. Allows users to have more customizability of fan modes and automatically detects different temperatures to make fan operate at defined speed for optimal cooling performance.



Feature	Technical Specifications
---------	--------------------------

Chipset	Intel H610
CPU SUPPORT	Support for 12th/13th/14th Generation Intel Core™ i9/ i7/ i5/ i3 processors and Intel Pentium processors
	Intel Celeron processors in the LGA1700 package
MEMORY	Supports Dual Channel DDR4 3200/ 2933/ 2666/ 2400/ 2133/ 1866 Support Intel Extreme Memory Profile (XMP) memory modules
	2 x DDR4 DIMM Memory Slot, Max. Supports up to 64 GB Memory
	Each DIMM supports non-ECC 4/8/16/32GB DDR4 module
INTEGRATED VIDEO	Supports DX12
	Supports HDCP
STORAGE	Total supports 1 x M.2 socket and 4x SATA III (6Gb/s) ports Intel H610 Chipset
	1 x M.2 (M Key) Socket (M2M_SB)
	Supports M.2 Type 2280 SSD module
	Supports M.2 Type 2242 /2260 /2280 SSD module
	Supports PCIe 3.0 x 4 (32Gb/s) - NVMe/ AHCI SSD
	4 x SATA III Connector (6Gb/s)
LAN	Realtek RTL8111H
	10/ 100/ 1000 Mb/s auto negotiation, Half / Full duplex capability
AUDIO CODEC	ALC897
	7.1 Channels, High Definition Audio

REAR I/O	1 x PS/2 Keyboard/ Mouse Port
	1 x HDMI
	1 x VGA
	1 x DVI Port
	2 x USB 3.2 (Gen1) Port
	4 x USB 2.0 port
	1 x LAN port
	3 x Audio Jack
INTERNAL I/O	4 x SATA III Connector (6Gb/s)
	2 x USB 2.0 Header (each header supports 2 USB 2.0 ports)
	1 x USB 3.2 (Gen1) Header (each header supports 2 USB 3.2 (Gen1) ports )
	1 x 8-Pin Power Connector
	1 x 24-Pin Power Connector
	1 x CPU Fan Connector
	1 x System Fan Connector
	1 x Front Panel Header
	1 x Front Audio Header
	1 x Internal Stereo Speaker Header
	1 x Clear CMOS Header
	1 x COM Port Header
	1 x TPM Header

USB	4 x USB 3.2 (Gen1) ports (2 on rear I/Os and 2 via internal headers)
	8 x USB 2.0 ports (4 on rear I/Os and 4 via internal headers)
EXPANSION SLOT	INTEL 12th/13th/14th Processors
	1 x PCIe 4.0 x16 Slot
	INTEL H610 Chipset 1 x PCIe 3.0 x1 Slot
H/W MONITORING	CPU / System Temperature Monitoring
	Smart / Manual CPU Fan Control
	CPU/DDR Voltage Monitoring
DIMENSION	Micro ATX Form Factor Dimension: 19.8cm x 22.8cm (W x L)
OS SUPPORT	Supports Windows Windows 10(64bit) / Windows 11(64bit)
ACCESSORIES	2 x SATA Cable
	1 x I/O Shield
	1 x DVD Driver
	1 x Quick Guide

Plot No 11(E), KIADB Industrial Area Bashettihalli Village, Kasaba Hobli, Doddaballapura, Bangalore, Karnataka - 561 203  
**Email: [info@exatron.in](mailto:info@exatron.in); Toll Free : 1800 309 9850**  
**Website: <https://exatron.in/>**

Disclaimer : Copyright © 2023 Exatron Servers Manufacturing Pvt Ltd. All rights reserved. Exatron and Exatron Logo are trademarks of Exatron Servers Manufacturing Pvt Ltd. Other products and company names mentioned herein may be trademarks of their respective companies. Product specifications and images are subject to change without notice.

**Learn more about our servers**

**Learn more about our system management solutions**

**Search our Resource Library**

**Follow us on [LinkedIn](https://www.linkedin.com/company/exatron)**

**Contact an Exatron Technologies Expert for [Sales and Support](#)**