

## **Ultimas 6400 Music Production Laptop**

This laptop is aimed at the musician, DJ or producer who wants a durable, powerful and reliable portable DAW to record and produce their music to a professional standard. But who needs to save space and/or have the ability to easily transport the system the studio or collaborator's house. The chassis is manufactured from magnesium alloy and is lightweight yet very strong and the backlit keys are easily visible whilst in a dark environment. If you want a laptop to use for live performance, or you will be constantly on the move then this is an ideal choice.

You can connect a monitor (screen) via the HDMI port so that you can use the laptop in your home or studio and still have the benefit of using a larger screen. Because of the high quality of the graphics adapter on this laptop, you can connect a 4K screen and enjoy super hi res graphics without detriment to audio system performance.

There are 3 USB ports which are all backwardly compatible to USB 2 for your audio interface. There is also a Type C USB port that can be used as an additional USB port with the appropriate cable or adapter if required.

We would recommend this music laptop to anyone using Studio One, Cubase, Reaper, Reason or LIVE.

The i7-11800H (2.3GHz) 8 core processor will provide for plenty of audio and instrument tracks with VST effects for larger than average production tasks.

The basic 16GB configuration is fine for most day to day production tasks with around 32 tracks with effects. However, if you want to add more virtual instruments and real-time effects then it is strongly advised that you go for the 32GB option. To give the very best all round performance then 64GB is recommended.

The laptop has on board Bluetooth & WiFi, but we advise disabling these and setting Aeroplane mode to ON whilst recording or mixing.

The Ultimas 6400 has a dedicated on board NVIDIA graphics processor and memory. This means that the graphics processing is carried out by the NVIDIA system and the maximum amount of main CPU cycles can be addressed to processing your audio.

We will configure the BIOS and Windows settings to optimise system performance for audio recording. This means we will turn off any power saving options so that the machine is always in "performance mode". We will however, if possible, disable any Turbo options, we believe it is best to have the processing working constantly at a set clock speed rather than continuously alternating depending on the tasks on hand. This is to keep the timing of the whole system as stable as possible so that your mixes get that solid timing feel.

The SSD (Solid State Drive) on the system is of M.2 architecture. This is an SSD that is connected directly to the motherboard via a multi-pin slot rather than a SATA cable. This gives MUCH wider bandwidth and enables far greater amounts of data to be transferred more quickly and without dropouts and the performance bottleneck sometimes experienced with SATA devices. Windows uses the system drive for many background tasks whilst you're working so, if you are going to be recording and mixing with many audio tracks then it is advisable to add a 2<sup>nd</sup> drive that can be dedicated to streaming the audio separately to all other audio tasks such as sample-based VST instruments. This is also an M.2 drive and so will deliver excellent performance and huge amount of audio tracks.

If you are not sure as to which configuration to purchase, then the general advice is firstly, prioritise RAM and go for 32GB. Then, if the budget allows add the 2<sup>nd</sup> SSD. If you've still got cash to spare, then go for the full 64GB RAM. For bigger audio projects on the 3200/6400 systems then 64GB is a must have! However, if you work mainly with real-time virtual synthesizers such as Arturia and don't record much audio then additional SSDs won't help much. You need as much RAM as possible instead.

## **DIMENSIONS & WEIGHT**

Dimensions (w x d x h)  
355.5mm x 236.8mm x 19.9mm

Weight  
1.7kg

Colour  
Grey

## **CHIPSET**

Processor Support  
Intel® Core™ or AMD® Ryzen™ CPUs

## **MEMORY**

Memory Type  
Supports DDR4 2933MHz

Number of Modules  
2 x Modules

Maximum Supported Memory  
64GB

## **HARD DRIVE CAPACITY**

M.2 Port  
2 x M.2 PCIe Ports

## **DISPLAY & GRAPHICS**

Graphics  
GeForce RTX 3060 6GB DDR6

Screen Size  
15.6 inch Widescreen

Native/Maximum Resolution  
2560 x 1440

Refresh Rate  
165 Hz

NTSC  
SRGB 100%

## **AUDIO**

Chipset  
High Definition Audio

Channels  
2 channel HD Audio

Connections  
Microphone-in and headphone-out

Speakers  
2 x 2W Stereo Speakers

Integrated Microphone  
Yes

## **COMMUNICATIONS**

LAN  
2.5 Gigabit Ethernet

Wireless Support  
Wireless LAN 802.11ax/ac/b/g/n (M.2 Interface)

Bluetooth Support  
Bluetooth V5.0 module support

## **KEYBOARD & MOUSE**

Keys  
4 zone RGB backlit keyboard

Language Support  
Multi-Language support

Pointing Device | Touchpad Mouse  
Touchpad Pointing Device with left/right click

Backlit Keyboard  
Yes

## **MEMORY CARD READER**

Memory Card Reader  
3-in-1 Card Reader (Micro SD/SDHC/SDXC)

## **PORTS**

USB  
1 x USB 3.2 Gen2 Type C Port (TBT4 with Intel® Core™ Processors), 1 x USB 3.2 Gen2 Port, 2 x USB 3.2 Gen1 Ports

LAN  
1 x RJ-45 jack

Display  
1 x HDMI, 1 x DP 1.2 via USB-C

Microphone-IN  
1

Headphone-OUT  
1

DC-in  
1

## **WEBCAM**

Webcam  
1.0 MP Infrared Webcam

## **BATTERY & POWER LEAD**

Battery Capacity  
4 cell Smart Lithium-Ion battery pack, 62WH

Typical Battery Life  
Up to 4 Hours

Battery Type  
Integrated

Power Lead & AC Adpater  
1 x Power Lead included with AC Adapter

**SECURITY**

Kensington Lock  
Yes