

Ultimas 1600 Music Production Laptop

This laptop is aimed at the musician, DJ or producer who wants a solid 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 friend/collaborator's house. The chassis is manufactured from a durable composite plastic and the backlit keys are easily visible whilst in a dark environment. If you want a laptop to use for live performances then we would recommend either our 3200 or 6400 systems which have metal chassis and are therefore more durable and have dedicated graphics for better overall performance.

You can connect a monitor (screen) via the HDMI port so that you can use the laptop in your home studio and still have the benefit of using a larger screen.

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 i7-10510U (1.8GHz) quad core processor will provide for plenty of audio and instrument tracks with VST effects for average-sized 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 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 1600 has integrated graphics. This means that there is no dedicated graphics processor or memory on board. Instead the graphics processing is carried out by the Intel CPU and some of the system memory is reserved for graphics purposes.

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 2nd drive (this would be a SATA SSD on this system) that can be dedicated to streaming the audio separately to all other audio tasks such as sample-based VST instruments.

If you are not as to which configuration to purchase, then the general advice is to go for 32GB Memory and the 2nd SSD. If you've still got cash to spare, then go for a system with dedicated

graphics such as our 3200 or 6400 systems but ensure you have at least 32GB memory and 2nd SSD selected. For bigger audio projects on the 3200/6400 systems then 64GB is a must have!

DIMENSIONS & WEIGHT

Dimensions (w x d x h)
360.4mm x 239.3mm x 19.9mm

Weight
1.59 kg

CHIPSET

Processor Support
10th Generation Intel Processor Support

MEMORY

Memory Type
Supports DDR4 2666MHz

Number of Modules
2 x Modules

Maximum Supported Memory
64GB

HARD DRIVE CAPACITY

Hard Drive Type
1 x 7mm, 2.5" S-ATA HDD support

M.2 Port
1 x M.2 2280 Port

DISPLAY & GRAPHICS

Graphics
Intel Integrated Graphics.

Screen Size
15.6 inch Widescreen

Native/Maximum Resolution
1920 x 1080

Backlight
LED

Refresh Rate
60 Hz

NTSC
45%

AUDIO

Chipset
High Definition Audio

Channels
2 channel HD Audio

Speakers
Built in two speakers

Integrated Microphone

Yes

COMMUNICATIONS

LAN

Gigabit LAN

Wireless Support

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

Webcam

1.0 MP Webcam

Bluetooth Support

Bluetooth V5.0 module support

KEYBOARD & MOUSE

Keys

Multi colour backlit isolated keyboard

Language Support

Multi-Language support

Pointing Device | Touchpad Mouse

Built in touch pad with multi-gesture and scrolling function

MEMORY CARD READER

Memory Card Reader

1 x Micro SD Card Slot

PORTS

HDMI Ports

1

USB

1 x USB 3.2 Gen 2 Port (Type C), 1 x USB 3.2 Gen 1 Port, 2 x USB 2.0 Ports

LAN

1 x RJ-45 jack

Headphone-OUT

1 x Headphone-out/ MIC-in phone jack

DC-in

1

WEBCAM

Webcam

1.0 MP Webcam

BATTERY & POWER LEAD

Battery Capacity

4 Cell Lithium-Ion battery (36WH)

Typical Battery Life

Up to 6 Hours

Battery Type

Integrated

Power Lead & AC Adapter

1 x Power Lead included with AC Adapter

SECURITY

Fingerprint Scanner
N/A

Kensington Lock
Yes

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