

Model	
Part No	9S7-16R831-2653
SKU Number	
Website Name	Thin 15 B12UC
Brand	MSI
Platform	INTEL
Series Name	Gaming
Segment Name	Thin
Segment Name2	Thin15B
Segment Name3	Thin15 B12UC
Model	16R8
MKT Name	Thin 15 B12UC
Entity MKT Name	
MKT Spec	Thin 15 B12UC-2653XBG
System/Barebone	System
Chassis Color	
Color	ID3(GG)/Cosmos Gray-Cosmos Gray-Cosmos Gray-Cosmos Gray
Color Website	Cosmos Gray
Chassis Material	
A Side	Metal
B Side	Plastic
C Side	Metal
D Side	Plastic
Display	
Screen Size	15.6
Resolution	IPS-Level FHD
Pixel	1920x1080
LCD Features	ANTI-GLARE
Screen Touch	Non-touch
Frame Rate	144Hz
Response Time	Tt+Tf 25ms
Color Range	45%
Screen Size Website	15.6"
Pixel Website	FHD(1920x1080)
Frame Rate Website	144Hz Refresh Rate
Color Range Website	N/A
Display Type Website	IPS-Level
HDR Value	N/A
Touch Feature Website	NA
Brightness	N/A
CPU	
CPU Type	8 CORE
CPU Core Name	ALDER LAKE-P
CPU Socket	BGA-1744pin
CPU Number	i5-12450H
CPU Clock	2GHz
CPU Cores	8
CPU Core Name Website	12th Gen Intel® Core™
CPU Number Website	i5-12450H processor
CPU Number Website For GC	
CPU Specification Website	8 cores (4 P-cores + 4 E-cores), Max Turbo Frequency 4.4 GHz
Chipset	
Chipsets	N/A
Chipset SoC Website	Integrated SoC
Discrete Graphics	
GPU1 Vendor	NVIDIA
GPU1 MKT Name	GeForce RTX 3050
GPU1 Number	RTX 3050
GPU1 MKT Name Website	NVIDIA® GeForce RTX™ 3050 Laptop GPU
GPU1 Boost Clock Website	Up to 1172.5MHz Boost Clock 45W Maximum Graphics Power with Dynamic Boost. *May vary by scenario
GPU1 Remark Website	NA
CPU and GPU Combined Power	
Combined Power Website	N/A
OverBoost Ultra Remark Website	N/A
Scenario Remark Website	N/A
Cooling	
Thermal	Cooler Boost
Fan	1
Fan Technology	N/A
Pipe	3
Vapor Chamber	N/A
Video Memory	
GPU1 VRAM Size	4GB
GPU1 VRAM Type	GDDR6
Integrated Graphics	
GPU1 Graphics Website	Intel® UHD Graphics
Memory	
Memory Size	8GB*1
Memory Module	1600/3200MHz
Memory(Slot) Max Speed	DDR4-3200
Memory Form	N/A
Memory Remark Website	N/A
Memory Slot and Max Capacity	
Memory Max Speed	
Memory Slot	2 Slots
Memory Max Capacity Website	Max 64GB
Storage	
SSD Interface	PCIe GEN4x4 w/o DRAM NVMe
SSD Form Factor	M.2-2280 M-KEY
SSD Size	512GB*1
HDD1 Interface	N/A
HDD1 Form Factor	N/A
HDD size	N/A
HDD1 RPM	N/A
ODD Type	N/A
Multi Bay	N/A
SSD Gen Website	NVMe SSD PCIe Gen4
2 5" HDD Website	N/A
SSD Remark	N/A
Storage Slot	
SSD (NVMe PCIe Gen) Website	1x M.2 SSD slot (NVMe PCIe Gen4)
HDD Website	1x 2.5" SATA HDD
LAN	
LAN Website	Gigabit Ethernet
LAN	REALTEK/RTL8111H-VB-CG
RJ45	1x
Wi-Fi/ Bluetooth	
WLAN/BT Website	Intel® Wi-Fi 6E AX211, Bluetooth v5.3
WLAN Version	Wi-Fi 6E+BT
WLAN/BT	INTEL/AX211.NGW.G.NV
I/O Ports	
Audio Line In	N/A
Audio Line Out	N/A
Digital out SPDIF	N/A
USB Ports	
Type-C (USB3.1 Gen2 / DP / Thunderbolt™3)	NA
Type-C (USB3.1 Gen2 / DP / Thunderbolt™3 optional)	NA
Type-C (USB3.2 Gen2 / DP / Thunderbolt™3)	NA
Type-C (USB3.2 Gen1 / DP / Thunderbolt™3)	NA
Type-C (USB3.2 Gen2 / DP / Thunderbolt™3) with PD charging	NA
Type-C (USB3.2 Gen2 / DisplayPort™)	NA
Thunderbolt™ 4 (DisplayPort™/ Power Delivery 3.0)	NA
Thunderbolt™ 4 (DisplayPort™/ Power Delivery 3.1)	NA
Thunderbolt™ 4 (DisplayPort™)	NA
Thunderbolt™ 5 (DisplayPort™/ Power Delivery 3.1)	NA
Thunderbolt™ (DisplayPort™/ Power Delivery 3.0)	NA
Type-C (USB4® / DisplayPort™/ Power Delivery 3.0/ Thunderbolt™ 4 compatible)	N/A
Type-C (USB3.2 Gen2 / DisplayPort™/ Power Delivery 3.0)	NA
Type-C (USB3.2 Gen2 / DisplayPort™/ Power Delivery 3.1)	NA
Type-C (USB3.1 Gen1 / DisplayPort™)	NA
Type-C (USB3.2 Gen1 / DisplayPort™)	1x
Type-C USB3.1 Gen2	NA
Type-C USB3.2 Gen2	NA
Type-C USB3.2 Gen2 with PD charging	NA
Type-C USB3.1 Gen1	NA
Type-C USB3.2 Gen1	NA
Type-A USB3.1 Gen1	NA
Type-A USB3.2 Gen1	3x
Type-A USB3.1 Gen1/ QC3.0	NA
Type-A USB3.2 Gen1/ QC3.0	NA
Type-A USB3.1 Gen2	NA

Type-A USB3.2 Gen2	NA
Type-C USB3.2 Gen2x2	NA
Type-A USB3.1	NA
Type-C USB3.0	N/A
Type-A USB3.0	NA
Type-A USB2.0	NA
USB3.2 Gen 2 Type-C(connect to computer)	NA
Card Reader	
CardReader	NA
Smart Card Reader	N/A
Video Ports	
VGA Out	NA
HDMI™	1x HDMI™ (4K @ 30Hz)
DisplayPort	NA
Mini Display Port	NA
Keyboard	
Keyboard Types Website	Single Backlit Keyboard (Blue)
Keyboard Keys	84KEYS
Keyboard Backlit	Y
Keyboard Numeric	No
Keyboard Color	BLACK
Keyboard Language	BG W/left
Touchpad	
Touchpad	NA
WebCam	
WebCam	HD type (30fps@720p)
Webcam Feature	N/A
Audio Port	
Audio Jack Website	1x Mic-in, 1x Headphone-out
Audio	
Audio Speaker	2x 2W
Audio Woofer	N/A
Audio Mic	N/A
Audio Solution Website	Hi-Res Audio Ready, DTS Audio Processing
AC Adapter	
Adaptor Output	120W adaptor
Adaptor	120W
Adaptor Input	90-264Vin
Adaptor Unit Weight (g)	430
Power Cord Unit Weight (g)	126
Battery	
Battery Type	3CELLS/3S1P
Battery Cell Website	3-Cell
Whrs	52.4 Whrs
Mah	4600 Mah
Battery Unit Weight (g)	221
Operating Systems	
OS	N/A
OS Type	Free DOS
OS Website	Free Dos
Copilot+ PC Certified	N/A
Microsoft Office	
OS-Office Website	N/A
Dimension (WxDxH)	
Dimension	359 x 254 x 21.7 mm
Dimension(Inches) Website	14.13" x 10" x 0.86"
Weight (W/ Battery)	
Weight	1.86 kg
Weight(lbs) Website	4.1 lbs
Security	
Security Type Website	Firmware Trusted Platform Module(TPM) 2.0, Kensington Lock
Certification	
Certification Type Website	NA
Sustainability	
EPEAT Website	N/A
Sensor	
Fingerprint Website	N/A
Fingerprint (Optional)	N/A
Ambient Light Sensor Website	N/A
Gyroscope Website	N/A
Accelerometer Website	N/A
Magnetometer Website	N/A
Proximity Sensor	N/A
NFC (Optional)	N/A
Warranty	
Warranty	24M
Warranty Website	2 years limited warranty
Xbox Game Pass	
Xbox Game Pass	One month of PC Game Pass
Xbox Game Pass Remark	*Spec and bundle offer may vary by model and by country. Please refer to the final specification of the product purchased for Xbox Game Pass pre-installed details.
Accessory	
Accessory Website	
Extra Bag	N/A
Extra Mouse	N/A
Remark	
I/O Ports Remark	N/A
Remark 1 Website	
Remark 2 Website	
Remark 3 Website	
Remark 4 Website	
Remark 5 Website	
Software	
Software	Nvidia GeForce Experience, Gaming Mode, MSI App Player, Game Highlights, MSI Companion, Crosshair, Battery Master, MSI Center, DTS Audio Processing, Smart Auto
Model Info	
Segment Name2	Thin15B
Segment Name	Thin
Series Name	Gaming
Segment Name3	Thin15 B12UC
Extra Info	
EOL Date	
Barcode Info	
UCC14	
UPC	
JAN	
EAN	471137270656