LAPTOP SPECIFICATION MANUAL

Standardized Field Specification & Data Collection Sheet

> **PURPOSE & USAGE GUIDE:** This document converts whiteboard laptop specification requirements into a structured, standardized Microsoft Word (.docx) template. Use Sections 1–6 for detailed field references & standard value options, Section 7 as a printable single-unit inspection checklist, and Section 6 for multi-device inventory tracking.

1. General & System Identification

Basic unit identification metrics and physical specifications

Field Name	Standard Options / Description / Notes
RELEASE DATE :	**19 MAY 2025**
MANUFACUTRING DATE :	**1 NOVEMBER 2025**
MODEL NUMBER :	**83KS001BUS**
PART NUMBER :	**NIL**
PROCESSOR CODE :	**INTEL CORE (TM) ULTRA 9 275HX 5.4GHZ**
GPU CODE 1 :	**INTEL (R) GRAPHICS / NPU INTEL AI BOOST**
GPU CODE 2 :	**NVIDIA GEFORCE RTX 5060**
COUNTRY ORIGIN :	**USA**
WEIGHT :	**2.45KG**
KEYBOARD BACKLIT :	**24-ZONE RGB BACKLIT**
BODY TYPE / BUILD :	**ANODIZED SANDBLASTED ALMINUM**

2. Display Specifications Branch

Screen properties, panel technologies, resolution, and color standards

Field Name	Standard Options / Description / Notes
SCREEN SIZE :	16.0 INCHES
TOUCH OR NON :	NON TOUCH
PANEL TECHNOLOGY :	IPS (IN-PLANE SWITCHING)
SCREEN FINISH :	ANTI-GLARE (MATTE)
RESOLUTION :	2560X1600 (WQXGA)
REFRESH RATE :	240HZ
BRIGHTNESS/NITS :	500 NITS
SRGB COVERAGE :	138.37%
ADOBE RGB COVERAGE :	102.57%
DCI-P3 COVERAGE :	102.00%
NTSC COVERAGE :	98.00%
BT.2020 COVERAGE :	73.18%
ROTATION ANGLE :	180° DEGREES
HDR SUPPORT :	NOT SUPPORTED
ASPECT RATIO :	16:10
CONTRAST RATIO :	1200:1

3. Storage & Memory (RAM / SSD) Branch

Internal memory speed, generation, slot counts, and upgrade capacity

Field Name	Standard Options / Description / Notes
RAM FORM :	**SODIMM**
RAM GEN :	**DDR5**
RAM SPEED :	**5600MHZ**
RAM SLOT :	**2 SLOTS**
RAM MAX SUPPORT :	**64GB**
SSD GEN :	**GEN 4**
SSD W/R SPEED :	**R = 6957MB W = 5831MB**
SSD TECHNOLOGY :	**NVME M.2**
SSD SIZE :	**2242 , 2280**
SSD SLOTS :	**2 SLOTS**
SSD MAX SUPPORT :	**4TB**

4. Power & Battery Branch

Power adapter wattage, battery capacity, cell count, and chemistry type

Field Name	Standard Options / Description / Notes
BATTERY CHEMISTRY :	**LITHIUM-ION POLYMER BATTERY (LIP)**
BATTERY CAPACITY :	**80,000MWH**
BATTERY CELL :	**4-CELL**
BATTERY HEALTH :	**95 TO 100%**
DC INPUT VOLTAGE :	**20V=12.25A**
CHARGING PORT :	**SLIM TIP POWER CONNECTOR**
CHARGER WATT :	**245W (SLIM TIP 3 PIN)**

5. Connectivity & Ports Branch

Wireless standards, cellular support, NFC, SD card, and physical ports

Field Name	Standard Options / Description / Notes
TYPE C PORTS :	**3 X USB 3.2 GEN 2**
TYPE A PORTS :	**2 X 3.2 GEN 2/THUNDERBOLT 4**
HDMI :	**1 X HDMI 2.1**
LAN PORT :	**1 X ETHERNET (RJ-45)**
WIFI CARD :	**MEDIATEK WIFI 7 MT7925**
SIM CARD :	**NIL**
SD CARD :	**NIL**
NFC MODULE :	**NIL**
BLUETOOTH :	**BLUETOOTH 5.4**

6. Security, Camera & Audio Branch

Biometrics, camera resolution, and audio output capabilities

Field Name	Standard Options / Description / Notes
CAMERA PIXEL :	**5.0MP**
VIDEO RESOLUTION :	**1944P 4:3 30FPS**
FACE RECOGNITION :	**NIL**
FINGERPRINT :	**NIL**