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 :	**JANUARY 2022**
MANUFACUTRING DATE :	**NOVEMBER 2022**
MODEL NUMBER :	**6K4E9PA**
PART NUMBER :	**N/A**
PROCESSOR CODE :	**12TH GEN INTEL CORE I5-1235U 5.1GHZ**
GPU CODE :	**INTEL (R) IRIX XE GRAPHICS**
COUNTRY ORIGIN :	**USA**
WEIGHT :	**1.32KG**
KEYBOARD BACKLIT :	**YES**
BODY TYPE / BUILD :	**ALUMINUM ALLOY BODY**

2. Display Specifications Branch

Screen properties, panel technologies, resolution, and color standards

Field Name	Standard Options / Description / Notes
SCREEN SIZE :	13.3 INCHES
TOUCH OR NON :	TOUCH N FLIP
PANEL TECHNOLOGY :	IPS/UWVA (ULTRA WIDE VIEWING ANGLE)
SCREEN FINISH :	GLOSSY (BRIGHT VIEW)
RESOLUTION :	1920X1200 (WUXGA)
REFRESH RATE :	60HZ
BRIGHTNESS/NITS :	400 NITS
SRGB COVERAGE :	99.86%
ADOBE RGB COVERAGE :	74.03%
DCI-P3 COVERAGE :	73.61%
NTSC COVERAGE :	70.73%
BT.2020 COVERAGE :	52.81%
ROTATION ANGLE :	360° DEGREES
HDR SUPPORT :	SUPPORTED
ASPECT RATIO :	16:10
CONTRAST RATIO :	1000:1

3. Storage & Memory (RAM / SSD) Branch

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

Field Name	Standard Options / Description / Notes
RAM FORM :	ROW OF CHIPS
RAM GEN :	DDR5
RAM SPEED :	4800MHZ
RAM SLOT :	ONBOARD
RAM MAX SUPPORT :	NIL
SSD GEN :	GEN 4
SSD W/R SPEED :	R = 6421MB W = 4773MB
SSD TECHNOLOGY :	NVME M.2
SSD SIZE :	2280
SSD SLOTS :	1 SLOT
SSD MAX SUPPORT :	1TB

4. Power & Battery Branch

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

Field Name	Standard Options / Description / Notes
BATTERY CHEMISTRY :	LITHIUM-ION BATTERY (LI-ION)
BATTERY CAPACITY :	51,310MWH
BATTERY CELL :	3-CELL
BATTERY HEALTH :	95 TO 100%
DC INPUT VOLTAGE :	20V=3.25A
CHARGING PORT :	USB TYPE-C
CHARGER WATT :	65W

5. Connectivity & Ports Branch

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

Field Name	Standard Options / Description / Notes
TYPE C PORTS :	**2 X USB THUNDERBOLT 4**
TYPE A PORTS :	**2 X 3.2 GEN 1**
HDMI :	**1 X HDMI 2.0**
LAN PORT :	**NIL**
WIFI CARD :	**WI-FI 6E AX211 160MHZ #2**
SIM CARD :	**NIL**
SD CARD :	**NIL**
NFC MODULE :	**NIL**
BLUETOOTH :	**BLUETOOTH 5.2**

6. Security, Camera & Audio Branch

Biometrics, camera resolution, and audio output capabilities

Field Name	Standard Options / Description / Notes
CAMERA PIXEL :	**3.7MP**
VIDEO RESOLUTION :	**1440P 16:9 30FPS**
FACE RECOGNITION :	**YES**
FINGERPRINT :	**YES**