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 :	**MAY 2024**
MANUFACUTRING DATE :	**JULY 2023**
MODEL NUMBER :	**831U7US**
PART NUMBER :	**N/A**
PROCESSOR CODE :	**AMD RYZEN 5 6600U RADEON 4.5GHZ**
GPU CODE :	**AMD RADEON (TM) GRAPHICS**
COUNTRY ORIGIN :	**USA**
WEIGHT :	**1.4KG**
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 :	14.0 INCHES
TOUCH OR NON :	TOUCH
PANEL TECHNOLOGY :	IPS (IN-PLANE SWITCHING)
SCREEN FINISH :	ANTI GLARE (MATTE)
RESOLUTION :	1920X1200 (WUXGA)
REFRESH RATE :	60HZ
BRIGHTNESS/NITS :	300 NITS
SRGB COVERAGE :	64.40%
ADOBE RGB COVERAGE :	47.74%
DCI-P3 COVERAGE :	47.47%
NTSC COVERAGE :	45.61%
BT.2020 COVERAGE :	34.06%
ROTATION ANGLE :	180° DEGREES
HDR SUPPORT :	NOT 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 :	SODIMM
RAM GEN :	DDR5
RAM SPEED :	4800MHZ
RAM SLOT :	2 SLOTS
RAM MAX SUPPORT :	64GB
SSD GEN :	GEN 4
SSD W/R SPEED :	R = 3434MB W = 2720MB
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 :	51,300MWH
BATTERY CELL :	3-CELL
BATTERY HEALTH :	95 TO 100%
DC INPUT VOLTAGE :	20V=3.25A
CHARGING PORT :	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 USB4 40GBPS**
TYPE A PORTS :	**2 X 3.2 GEN 1**
HDMI :	**1 X HDMI 2.0**
LAN PORT :	**NIL**
WIFI CARD :	**WI-FI 6E DUAL BAND**
SIM CARD :	**NIL**
SD CARD :	**NIL**
NFC MODULE :	**NIL**
BLUETOOTH :	**BLUETOOTH 5.3**

6. Security, Camera & Audio Branch

Biometrics, camera resolution, and audio output capabilities

Field Name	Standard Options / Description / Notes
CAMERA PIXEL :	**4.9MP**
VIDEO RESOLUTION :	**1920P 4:3 30FPS**
FACE RECOGNITION :	**YES**
FINGERPRINT :	**YES**