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 :	**MARCH 2024**
MANUFACUTRING DATE :	**JUNE 2024**
MODEL NUMBER :	**8M4X3AV**
PART NUMBER :	**N/A**
PROCESSOR CODE :	**INTEL (R) CORE ULTRA 7 155U 4.8 GHZ**
GPU CODE :	**INTEL (R) GRAPHICS**
COUNTRY ORIGIN :	**USA**
WEIGHT :	**1.41KG**
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 :	63.87%
ADOBE RGB COVERAGE :	47.35%
DCI-P3 COVERAGE :	47.08%
NTSC COVERAGE :	45.24%
BT.2020 COVERAGE :	33.78%
ROTATION ANGLE :	180° 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 :	**SODIMM**
RAM GEN :	**DDR5**
RAM SPEED :	**4800MHZ**
RAM SLOT :	**2 SLOTS**
RAM MAX SUPPORT :	**32GB**
SSD GEN :	**GEN 4**
SSD W/R SPEED :	**R = 3531W = 2765MB**
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 :	56,047MWH
BATTERY CELL :	3-CELL
BATTERY HEALTH :	95 TO 100%
DC INPUT VOLTAGE :	20V=3.25A
CHARGING PORT :	TYPE-C (THUNDERBOLT 4)
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 2.1**
LAN PORT :	**NIL**
WIFI CARD :	**WI-FI 6E AX211 160MHZ**
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 :	**3.7MP**
VIDEO RESOLUTION :	**1440P 16:9 30FPS**
FACE RECOGNITION :	**YES**
FINGERPRINT :	**YES**