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 :	**FEBURARY 2026**
MANUFACUTRING DATE :	**APRIL 2026**
MODEL NUMBER :	**16Z90U-H.AU87U1**
PART NUMBER :	**NIL**
PROCESSOR CODE :	**INTEL (R) ULTRA 7 355 4.7GHZ**
GPU CODE :	**INTEL (R) GRAPHICS / INTEL NPU**
COUNTRY ORIGIN :	**USA**
WEIGHT :	**1.35 KG**
KEYBOARD BACKLIT :	**YES**
BODY TYPE / BUILD :	**NANO CARBON & MAGNESIUM ALLOY**

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 :	TOUCH
PANEL TECHNOLOGY :	IPS (IN-PLANE SWITCHING)
SCREEN FINISH :	ANTI-GLARE/LOW-REFLECTION
RESOLUTION :	2560X1600 (WQXGA)
REFRESH RATE :	60HZ
BRIGHTNESS/NITS :	350 NITS
SRGB COVERAGE :	138.66 %
ADOBE RGB COVERAGE :	102.79%
DCI-P3 COVERAGE :	102.22%
NTSC COVERAGE :	98.21%
BT.2020 COVERAGE :	73.33%
ROTATION ANGLE :	180° DEGREES
HDR SUPPORT :	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 :	ROW OF CHIPS
RAM GEN :	DDR5
RAM SPEED :	7467MHZ
RAM SLOT :	ONBOARD
RAM MAX SUPPORT :	32GB
SSD GEN :	GEN 4
SSD W/R SPEED :	R = 7116MB W = 4964MB
SSD TECHNOLOGY :	NVME M.2
SSD SIZE :	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 BATTERY (LION)
BATTERY CAPACITY :	77,020MWH
BATTERY CELL :	4-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 USB 3.2 GEN 2**
HDMI :	**NIL**
LAN PORT :	**NIL**
WIFI CARD :	**WIFI 7 BE211 320MHZ**
SIM CARD :	**NIL**
SD CARD :	**NIL**
NFC MODULE :	**NIL**
BLUETOOTH :	**BLUETOOTH 6.0**

6. Security, Camera & Audio Branch

Biometrics, camera resolution, and audio output capabilities

Field Name	Standard Options / Description / Notes
CAMERA PIXEL :	**2.1MP**
VIDEO RESOLUTION :	**1080P 16:9 30FPS**
FACE RECOGNITION :	**YES**
FINGERPRINT :	**YES**