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 :	**OCTOBER 2022**
MANUFACUTRING DATE :	**DECEMBER 2024**
MODEL NUMBER :	**SURFACE PRO 9 (2038)**
PART NUMBER :	**NIL**
PROCESSOR CODE :	**INTEL (R) CORE I5-1245U 3.30GHZ**
GPU CODE :	**INTEL IRIS XE GRAPHICS / NPU AI BOOST**
COUNTRY ORIGIN :	**USA**
WEIGHT :	**879 GRAMS**
KEYBOARD BACKLIT :	**YES**
BODY TYPE / BUILD :	**ANODIZED ALUMINUM CHASSIS**

2. Display Specifications Branch

Screen properties, panel technologies, resolution, and color standards

Field Name	Standard Options / Description / Notes
SCREEN SIZE :	13.0 INCHES
TOUCH OR NON :	TOUCH & SURFACE PEN SUPPORT
PANEL TECHNOLOGY :	IPS PIXELSENSE (IN-PLANE SWITCHING)
SCREEN FINISH :	GLOSSY (CORNING GORILLA GLASS 5)
RESOLUTION :	2880X1920 (267 PPI)
REFRESH RATE :	120HZ
BRIGHTNESS/NITS :	450 NITS
SRGB COVERAGE :	118.29 %
ADOBE RGB COVERAGE :	87.69%
DCI-P3 COVERAGE :	87.20%
NTSC COVERAGE :	83.78%
BT.2020 COVERAGE :	62.56%
ROTATION ANGLE :	360° AUTO-ROTATION (KICKSTAND 165°)
HDR SUPPORT :	NOT SUPPORTED
ASPECT RATIO :	3:2
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 :	5200MHZ
RAM SLOT :	ONBOARD
RAM MAX SUPPORT :	8GB
SSD GEN :	GEN 4
SSD W/R SPEED :	R = 3493MB W = 2430MB
SSD TECHNOLOGY :	NVME M.2
SSD SIZE :	2230
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 (LION)
BATTERY CAPACITY :	46,000MWH
BATTERY CELL :	3-CELL
BATTERY HEALTH :	95 TO 100%
DC INPUT VOLTAGE :	20V=3.25A
CHARGING PORT :	SURFACE MAGNETIC / USB-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 :	**NIL**
HDMI :	**NIL**
LAN PORT :	**NIL**
WIFI CARD :	**WIFI 6E AX211 160MHZ**
SIM CARD :	**NIL**
SD CARD :	**NIL**
NFC MODULE :	**INTEGRATED NFC READER**
BLUETOOTH :	**BLUETOOTH 5.1**

6. Security, Camera & Audio Branch

Biometrics, camera resolution, and audio output capabilities

Field Name	Standard Options / Description / Notes
CAMERA PIXEL :	**4.9MP**
VIDEO RESOLUTION :	**1080P 16:9 30FPS**
FACE RECOGNITION :	**YES**
FINGERPRINT :	**NIL**