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 :	**SEPTEMBER 2025**
MANUFACUTRING DATE :	**MAY 2026**
MODEL NUMBER :	**AL-14-53M**
PART NUMBER :	**NX.DEFSM.002**
PROCESSOR CODE :	**CORE 5 120U 5.00GHz**
GPU CODE :	**INTEL (R) GRAPHICS**
COUNTRY ORIGIN :	**USA**
WEIGHT :	**1.30KG**
KEYBOARD BACKLIT :	**NIL**
BODY TYPE / BUILD :	**PLASTIC CHASSIS WITH ALUMINUM TOP**

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 :	NON TOUCH
PANEL TECHNOLOGY :	IPS (IN-PLANE SWITCHING)
SCREEN FINISH :	ANTI-GLARE COMFYVIEW (MATTE)
RESOLUTION :	1920 X 1200 (WUXGA)
REFRESH RATE :	60HZ
BRIGHTNESS/NITS :	250 NITS
SRGB COVERAGE :	66.67%
ADOBE RGB COVERAGE :	49.42%
DCI-P3 COVERAGE :	49.14%
NTSC COVERAGE :	47.22%
BT.2020 COVERAGE :	35.26%
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 :	DDR4
RAM SPEED :	3200MHZ
RAM SLOT :	2 X SLOTS
RAM MAX SUPPORT :	32GB
SSD GEN :	GEN 4
SSD W/R SPEED :	R = 3259MB W = 2810MB
SSD TECHNOLOGY :	NVME M.2
SSD SIZE :	2280
SSD SLOTS :	1 SLOT
SSD MAX SUPPORT :	2TB

4. Power & Battery Branch

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

Field Name	Standard Options / Description / Notes
BATTERY CHEMISTRY :	**LITHIUM-ION (LI-ION)**
BATTERY CAPACITY :	**58,140MWH**
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 3.2 GEN 2 / POWER DELIVERY)**
TYPE A PORTS :	**3 X USB 3.2 GEN 1**
HDMI :	**HDMI 2.0**
LAN PORT :	**NIL**
WIFI CARD :	**WIFI 6 PCI-E NIC**
SIM CARD :	**NIL**
SD CARD :	**MICRO SD CARD READER**
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 :	**2.1MP**
VIDEO RESOLUTION :	**1080P 16:9 30FPS**
FACE RECOGNITION :	**NIL**
FINGERPRINT :	**NIL**