TECHINICAL SPECIFICATIONS: AYAL - AY - 2510 - ALL IN ONE

Component	Specification Details
Processor Options	**Intel Core i3-1315U** (6 Cores / 8 Threads, up to 4.5GHz, 10MB Cache)**Intel Core i5-13420H** (8 Cores / 12 Threads, up to 4.6GHz, 12MB Cache)**Intel Core i7-13620H** (10 Cores / 16 Threads, up to 4.9GHz, 24MB Cache)**Intel Core i9-13900H** (14 Cores / 20 Threads, up to 5.4GHz, 24MB Cache)
Operating System	Windows 11 Pro / Windows 11 Home / Windows 11 Home Single Language *(Optional: No preload OS)*
Graphics	Intel UHD Graphics / Intel Iris Xe Graphics *(Iris Xe requires dual-channel memory configuration)*
Display Panel	**27" IPS, Borderless Design, 100Hz Refresh Rate, 16:9 Aspect Ratio, 1300:1 Contrast Ratio, 99% sRGB** • **FHD Models:** 1920x1080 resolution, 300 nits, Anti-glare, Low Blue Light, Flicker-Free • **QHD Models:** 2560x1440 resolution, 350 nits, Anti-glare, Low Blue Light, Flicker-Free
Touchscreen	Available in **10-point multi-touch** or **Non-touch** configurations
System Memory	Up to **32GB DDR5-5200** (2 x DDR5 SODIMM slots, dual-channel capable)
Storage Support	1x M.2 2280 NVMe PCIe 4.0 x4 SSD slot (Up to 1TB supported out of the box)
Audio & Multimedia	**Speakers:** Stereo speakers (3W x2), Audio tuned by HARMAN **Microphone:** Integrated dual-microphone array **Camera:** 5.0-megapixel standard camera / 5.0-megapixel IR camera **Audio Chip:** High Definition (HD) Audio, Realtek ALC233-CG codec
Wireless & Network	Wi-Fi 6 (802.11ax 2x2) + Bluetooth 5.2
Left-Side I/O Ports	1x USB-C (USB 10Gbps / USB 3.2 Gen 2, Data transfer only)1x 3.5mm Headphone / Microphone combo jack1x SD Card Reader
Rear I/O Ports	1x USB-A (USB 10Gbps / USB 3.2 Gen 2)2x USB-A (Hi-Speed USB / USB 2.0)1x HDMI-In 1.41x HDMI-Out 2.1 TMDS1x Gigabit Ethernet (RJ-45)1x DC Power input
Power Supply	90W Adapter (89% efficiency, autosensing) / 135W Adapter (90% efficiency, autosensing)
Security & Privacy	Firmware TPM 2.0 (integrated into SoC), Administrator & Power-on BIOS password protection
Mechanical Dimensions	• **FHD Models:** 611.72 x 192.00 x 473.16 mm (Around 7.10 kg) • **QHD Models:** 613.30 x 192.10 x 472.38 mm (Around 7.51 kg) • **Stand Adjustment:** Ergonomic monitor stand with -5° to +15° tilt support
Chassis Color Options	Cloud Grey / Luna Grey
Included Accessories	Bundled options include Ayal Calliope wired/wireless keyboard and mouse variants