TEHCNICAL SPECIFICATION - AYAL AY 2720

Component / Feature	Intel® Architecture Platform	AMD™ Architecture Platform
Supported Processors	Intel® Core™ i3, i5, i7, i9	AMD Ryzen™ 5, 7, 9
Operating Systems	Windows® 11 (Pro/Home/Single Lang.), Windows® 10 (Pro/Home/Single Lang.), Latest Linux builds, or No Preloaded OS	Windows® 11 (Pro/Home/Single Lang.), Windows® 10 (Pro/Home/Single Lang.), Latest Linux builds, or No Preloaded OS
System Memory (RAM)	**Up to 256GB** via 4 x DDR5 channels • Two DDR5 SODIMM slots (dual-channel capable) • Speeds: DDR5-5200 to DDR5-7200	**Up to 256GB** via 4 x DDR5 channels • Two DDR5 SODIMM slots (dual-channel capable) • Speeds: DDR5-5200 to DDR5-7200
Integrated Graphics	Intel® UHD Graphics, Intel® Iris® Xe Graphics (requires dual-channel RAM), or Intel® Graphics	Dependent on chosen processor with integrated graphics
Video Outputs	1 x HDMI 2.1, 1 x DisplayPort 1.4	1 x HDMI 2.1, 1 x USB Type-C (DisplayPort Alt Mode)
Max Display Resolution	• **HDMI:** 4K @ 60Hz • **DisplayPort:** 8K @ 60Hz / 5K @ 120Hz	• **HDMI:** 4K @ 120Hz • **USB-C Alt Mode:** 4K @ 60Hz
Multi-Monitor Support	Up to **2 independent displays** (HDCP 2.3)	Up to **2 independent displays** (HDR, HDCP 2.3)
Out-of-the-Box Drive Support	One drive, up to 1TB M.2 PCIe Gen4 x4 NVMe SSD	One drive, up to 1TB M.2 PCIe Gen4 x4 NVMe SSD
Internal Motherboard Storage Layout	**3 x M.2 PCIe Gen4 x4 slots** + 4 x SATA3 6 Gb/s ports	**4 x M.2 slots** (1x Gen5 x4, 2x Gen4 x4, 1x Gen3 x4) + 4 x SATA3 6 Gb/s ports
Compatible Drive Types	M.2 NVMe SSDs, SATA SSDs, SATA HDDs	M.2 NVMe SSDs, SATA SSDs, SATA HDDs
Front I/O Interface	• 2 x USB 2.0 Type-A, 2 x USB 3.2 Gen 1 Type-A, 1 x USB Type-C • 1 x 3.5 mm Headphone/Audio jack, Power Button, Status LEDs *(Note: Front ports depend on chassis configuration)*	• 2 x USB 2.0 Type-A, 2 x USB 3.2 Gen 1 Type-A, 1 x USB Type-C • 1 x 3.5 mm Headphone/Audio jack, Power Button, Status LEDs *(Note: Front ports depend on chassis configuration)*
Rear Panel Interface Ports	• 2 x USB 2.0 Type-A, 3 x USB 3.2 Gen 1 Type-A, 1 x USB 3.2 Gen 1 Type-C • 1 x 2.5Gb Ethernet RJ-45, 1 x HDMI, 1 x DisplayPort 1.4 • 1 x PS/2 Legacy Keyboard/Mouse port • 3 x 3.5 mm Audio jacks (Line-In, Line-Out, Mic)	• 4 x USB 2.0 Type-A, 2 x USB 3.2 Gen 1 Type-A • 1 x USB 3.2 Gen 2 Type-A, 1 x USB 3.2 Gen 2 Type-C • 1 x 2.5Gb Ethernet RJ-45, 1 x HDMI, 1 x DisplayPort 1.4 • 2 x Wi-Fi Antenna connectors, 1 x BIOS Flashback button • 3 x 3.5 mm Audio jacks (Line-In, Line-Out, Mic)
Network Connectivity	Wi-Fi® 6 (802.11ax 2x2), Bluetooth® 5.2 (requires Windows 11), 1x Onboard 2.5 Gigabit Ethernet LAN	Wi-Fi® 6 (802.11ax 2x2), Bluetooth® 5.2 (requires Windows 11), 1x Onboard 2.5 Gigabit Ethernet LAN
Security Architecture	Hardware/Firmware Trusted	Hardware/Firmware Trusted Platform Module

	Platform Module (TPM) 2.0, Secure Boot support, UEFI BIOS configuration controls, Administrator and User BIOS Password Protection	(TPM) 2.0, Secure Boot support, UEFI BIOS configuration controls, Administrator and User BIOS Password Protection
Multimedia Features	High Definition (HD) Audio, Realtek® ALC233-CG codec, Stereo speakers (3W x2, Audio by HARMAN), Dual-microphone array, Optional 5.0MP or 5.0MP IR Camera	High Definition (HD) Audio, Realtek® ALC233-CG codec, Stereo speakers (3W x2, Audio by HARMAN), Dual-microphone array, Optional 5.0MP or 5.0MP IR Camera
Power Input & Layout	AC Power Input 230V, Optical Drive & Card Reader available based on chosen chassis model	AC Power Input 230V, Optical Drive & Card Reader available based on chosen chassis model
Warranty & Service	Baseline options from 1 to 3 years covering mail-in, carry-in, courier, or limited onsite hardware repair	Baseline options from 1 to 3 years covering mail-in, carry-in, courier, or limited onsite hardware repair