

Assignment Task 2: **PC Brand Evaluation**

PC Brand: **Gateway**

Category	Evaluation Parameter	Gateway PC Evaluation
Hardware Quality & Performance	CPU Performance	Intel Core i3/i5/i7 (older to mid-generation)
	GPU Performance	Integrated Intel UHD/Iris Graphics
	RAM Type & Speed	DDR4, limited upgradability
	Storage	SSD (PCIe Gen 3) and HDD options
Thermals & Noise	Cooling System Quality	Basic air cooling
	Fan Noise Under Load	Moderate
	Thermal Throttling	Possible under heavy load
Build Materials & Durability	Chassis Material	Plastic
	Reinforced Hinges	Standard
	MIL-STD Certification	Not available
Design & Ergonomics	Weight & Portability	Lightweight
	Keyboard Quality	Average, no backlight
	Trackpad Quality	Basic

	Hinge Design	Traditional
Display Quality	Resolution	1080p Full HD
	Panel Type	IPS / TN
	Brightness	250-300 nits
	Color Coverage	~65% sRGB
	Refresh Rate	60Hz
	Contrast Ratio	Standard
	Touchscreen	Optional
Reliability & Brand Reputation	Reliability Record	Average
	User Reviews	Mixed
	Repairability	Moderate
	Long-term Performance	Average
Battery & Power Efficiency	Battery Life	5-7 hours
	Fast Charging	Limited
	Battery Health Management	Basic
	Power Adapter	Standard
Software & Ecosystem	Bloatware	Minimal
	OS Options	Windows
	Brand Software	Limited
	Driver Updates	Occasional
Security Features	BIOS/UEFI Security	Standard
	TPM	Yes
	Fingerprint Reader	Rare

	IR Camera	No
	Privacy Shutter	No
	Encryption	BitLocker
Upgradeability & Repairability	RAM Slots	Limited access
	Storage Expansion	Yes
	Battery Replacement	Difficult
	Repair Restrictions	Moderate
	Screw Accessibility	Standard
Connectivity & Ports	USB Ports	USB-A, USB-C
	Video Output	HDMI
	SD Card Slot	Available on some models
	Ethernet	Desktop only
	Wi-Fi	Wi-Fi 5 / Wi-Fi 6
	Bluetooth	5.0
Price & Value	Price-to-Performance	Good for budget
	Lifespan Value	Moderate
	Configurations	Limited
	Upgrade Path	Reasonable
	Discounts	Frequent
Customer Service & Warranty	Warranty Length	1 year
	Repair Type	Depot
	Support Quality	Average
	Extended Warranty	Limited
	Accidental Damage	Not standard

Special Use Case	Gaming	Not recommended
	Business	Basic office use
	Creative Work	Limited
	Students	Affordable & portable