



Acer Predator Orion 7000 PO7-640-UD11 Intel® Core™ i7 i7-12700K 32 GB DDR5-SDRAM 3 TB HDD+SSD NVIDIA GeForce RTX 3080 Windows 11 Pro Desktop PC Black

Brand : Acer

Product family: Predator

Product code: DG.E2YAA.002

Product name : PO7-640-UD11

Intel Core i7-12700K (12 Core, 3.60 GHz), NVIDIA GeForce RTX 3080 (10 GB), 32 GB DDR5-SDRAM, 2 TB HDD, 1 TB SSD, Bluetooth, HDMI, RJ-45, USB, DisplayPort, 800 W, Windows 11 Pro 64-bit
Acer Predator Orion 7000 PO7-640-UD11. Processor frequency: 3.6 GHz, Processor family: Intel® Core™ i7, Processor model: i7-12700K. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 3 TB, Storage media: HDD+SSD. On-board graphics card model: Intel UHD Graphics 770, Discrete graphics card model: NVIDIA GeForce RTX 3080. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 800 W. Chassis type: Desktop. Product type: PC. Product colour: Black

Processor		Network	
Processor manufacturer *	Intel	Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
Processor family *	Intel® Core™ i7	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Processor generation	12th gen Intel® Core™ i7		
Processor model *	i7-12700K	Bluetooth	✓
Processor cores	12	Ports & interfaces	
Processor threads	20	USB 2.0 ports quantity *	2
Processor boost frequency	5 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Processor frequency *	3.6 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3
Performance cores	8	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Efficient cores	4	USB 3.2 Gen 2x2 Type-C ports quantity	1
Performance-core base frequency	3.6 GHz	DisplayPorts quantity	1
Efficient-core base frequency	2.7 GHz	HDMI ports quantity *	1
Performance-core boost frequency	4.9 GHz	Ethernet LAN (RJ-45) ports	1
Efficient-core boost frequency	3.8 GHz	Line-out	✓
Processor cache	25 MB	Line-in	✓
Processor cache type	Smart Cache	Expansion slots	
Bus type	DMI4	PCI Express x1 slots	1
Processor base power	125 W	PCI Express x16 slots	2
Maximum turbo power	190 W	Power	
Memory		Power supply *	800 W
Internal memory *	32 GB	Design	
Maximum internal memory *	64 GB	Chassis type *	Desktop
Internal memory type	DDR5-SDRAM	Placement supported	Vertical
Memory layout (slots x size)	2 x 16 GB	Product colour *	Black
ECC	✓	Intel® vPro™ Platform Eligibility	✓
Memory channels	Dual-channel	Software	
Storage		Operating system architecture	64-bit
Total storage capacity *	3 TB	Operating system installed *	Windows 11 Pro
Storage media *	HDD+SSD	Processor special features	
Optical drive type *	✗	Intel® Active Management Technology (Intel® AMT)	✓
Number of storage drives installed	2	Intel 64	✓
Total HDDs capacity	2 TB		
Number of HDDs installed	1		
HDD capacity	2 TB		
HDD interface	SATA		
HDD speed	7200 RPM		
Total SSDs capacity	1 TB		
Number of SSDs installed	1		
SSD capacity	1 TB		

Storage		Processor special features	
SSD interface	PCI Express	Enhanced Intel SpeedStep Technology	✓
Card reader integrated	✗	Embedded options available	✗
Graphics		Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Discrete graphics card *	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Discrete GPU manufacturer	NVIDIA	Idle States	✓
On-board graphics card *	✓	Thermal Monitoring Technologies	✓
Discrete graphics card model *	NVIDIA GeForce RTX 3080	Intel Stable Image Platform Program (SIPP)	✓
Discrete graphics card memory	10 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Discrete graphics memory type	GDDR6X	Intel® Secure Key	✓
Number of discrete graphics cards	1	Intel® OS Guard	✓
On-board GPU manufacturer	Intel	Intel Trusted Execution Technology	✓
On-board graphics card family	Intel® UHD Graphics	Execute Disable Bit	✓
On-board graphics card model *	Intel UHD Graphics 770	Scalability	1S
On-board graphics card DirectX version	12.0	CPU configuration (max)	1
On-board graphics card OpenGL version	4.5	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of execution units	32	Intel Virtualization Technology (VT-x)	✓
Performance		Intel® Turbo Boost Technology	2.0
Market positioning	Gaming	Intel® Quick Sync Video Technology	✓
Product type *	PC	Display	
Network		Display included *	✗
Ethernet LAN *	✓	Weight & dimensions	
Ethernet LAN data rates	10,100,1000 Mbit/s	Width *	218.4 mm
Wi-Fi *	✓	Depth *	505.4 mm
		Height *	485.1 mm
		Certificates	
		Compliance certificates	RoHS

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