



ENERGY STAR CERTIFIED

Computers (Bold)

HP - HP ProBook 450 G9 ENERGY STAR : HSN-Q32C-5

Specifications

ENERGY STAR Unique ID:	2393434
Brand Name:	HP
Model Name:	HP ProBook 450 G9 ENERGY STAR
Model Number:	HSN-Q32C-5
Type:	Notebook
Category 1: Processor Brand:	Intel
Category 1: Processor Name:	Core i3
Category 1: Base Processor Speed Per Core (GHz):	1.2
Category 1: Physical CPU Cores (count):	6
Category 1: System Memory (GB):	64
Category 1: Default Low-power Mode:	ALPM
Category 1: Long Idle Power Used for Sleep Mode:	No
Category 1: Off Mode (watts):	0.3
Category 1: Sleep Mode (watts):	1.6
Category 1: Long Idle (watts):	1.6
Category 1: Short Idle (watts):	5.4
Category 1: Base TEC Allowance (kWh):	8
Category 1: Functional Adder Allowances (kWh):	30.8
Category 1: TEC of Model (kWh):	19.4
Category 2: Processor Brand:	Intel
Category 2: Processor Name:	Core i7
Category 2: Base Processor Speed Per Core (GHz):	2.6
Category 2: Physical CPU Cores (count):	10
Category 2: System Memory (GB):	64
Category 2: Default Low-power Mode:	ALPM
Category 2: Long Idle Power Used for Sleep Mode:	No
Category 2: Off Mode (watts):	0.3
Category 2: Sleep Mode (watts):	0.9
Category 2: Long Idle (watts):	0.9
Category 2: Short Idle (watts):	5.2

Category 2: Base TEC Allowance (kWh):	14
Category 2: Functional Adder Allowances (kWh):	33.4
Category 2: TEC of Model (kWh):	16.0
Notebooks, Desktops, Integrated Computers, Slate/Tablets, Two-in-one Notebooks, and Portable All-in-ones Category for TEC (Typical Energy Consumption) Criteria:	1
Category 1: Operating System Name:	Windows 11
Category 2: Operating System Name:	Windows 11
Sleep Mode Default Time Upon Shipment (min.):	10
Display Sleep Mode Default Time Upon Shipment (min.):	10
Will the Speed of Any Active 1 GB/s or Higher Ethernet Network Links be Reduced to Less Than 1 GB/s When Transitioning to Sleep or Off Mode?:	Yes
Ethernet Capability:	Yes
Touch Screen:	No
Date Available On Market:	2022-03-24
Date Certified:	2022-03-01
Markets:	United States, Switzerland, Taiwan, Japan, Canada
ENERGY STAR Certified:	Yes

Additional Model Information

HP ProBook 450 15.6 inch G10 Notebook PC ENERGY STAR,,; HP ProBook 450 15.6 inch G9 Notebook PC ENERGY STAR

UPC Codes	196786968648, 196786968655, 196786968662, 196786968679, 196786968686, 196786968693, 196786968709, 196786968716, 196786968723, 196786968730, 196786968860, 196786968877, 196786968884, 196786968891, 196786968907, 196786968914, 196786968921, 196786968938, 196786968945, 196786968952
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Captured On:
07/17/2025