



ENERGY STAR CERTIFIED

**Computers (Bold)**

## Samsung - NP646BED : NP646BED

## Specifications

ENERGY STAR Unique ID:	2393589
Brand Name:	Samsung
Model Name:	NP646BED
Model Number:	NP646BED
Type:	Notebook
Category 2: Processor Brand:	Intel
Category 2: Processor Name:	Core i7
Category 2: Base Processor Speed Per Core (GHz):	2.2
Category 2: Physical CPU Cores (count):	12
Category 2: System Memory (GB):	64
Category 2: Default Low-power Mode:	None
Category 2: Long Idle Power Used for Sleep Mode:	Yes
Category 2: Off Mode (watts):	0.5
Category 2: Sleep Mode (watts):	0.9
Category 2: Short Idle (watts):	5.3
Category 2: Base TEC Allowance (kWh):	14
Category 2: Functional Adder Allowances (kWh):	29.4
Category 2: TEC of Model (kWh):	18.6
Notebooks, Desktops, Integrated Computers, Slate/Tablets, Two-in-one Notebooks, and Portable All-in-ones Category for TEC (Typical Energy Consumption) Criteria:	2
Category 2: Operating System Name:	Windows 11
Sleep Mode Default Time Upon Shipment (min.):	10
Display Sleep Mode Default Time Upon Shipment (min.):	10
WOL (Wake on LAN) From Sleep:	Shipped Enabled Under All Conditions
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?:	No
Ethernet Capability:	No
Touch Screen:	Yes

Date Available On Market:	2022-03-28
Date Certified:	2022-03-07
Markets:	United States, Canada
ENERGY STAR Certified:	Yes

## Additional Model Information

NP646BEDA,NP646BEDA,no Switchable Graphics Enabled by Default in Ac Mode; NP646BEDZ,NP646BEDZ,Switchable Graphics Enabled by Default in Ac Mode

Captured On:  
06/19/2025