

## SPECIFICATIONS



HP ProBook 450 G10 Intel Core i5 1335U 8GB RAM, 512GB SSD 15.6 Inch FHD Display Silver Laptop (8GB RAM)

Regular Price 100,910

Special Price 93,000

ID: 33.01.020.1533

### General

|               |                    |
|---------------|--------------------|
| Brand         | HP                 |
| Laptop Series | ProBook            |
| Model         | HP ProBook 450 G10 |
| User Segment  | Business           |
| Part No       | 843Z1PA            |

### Processor

|                                      |                |
|--------------------------------------|----------------|
| Processor Brand                      | Intel          |
| Processor Type.                      | Core i5        |
| Generation                           | 13th (Intel)   |
| Processor Model                      | Core i5 1335U  |
| Processor Base Frequency             | Not Applicable |
| Performance-Core Base Frequency      | 1.30GHz        |
| Efficient-Core Base Frequency        | 0.90GHz        |
| Processor Max Turbo Frequency        | 4.60GHz        |
| Performance-Core Max Turbo Frequency | 4.60GHz        |
| Efficient-Core Max Turbo Frequency   | 3.40GHz        |
| Processor Core                       | 10             |
| Performance-Cores                    | 2              |
| Efficient-Cores                      | 8              |
| Processor Thread                     | 12             |
| CPU Cache                            | 12MB           |
| NPU                                  | No             |

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Ryans reserves right to change information including price any time.

|          |                               |
|----------|-------------------------------|
| Chipset. | Integrated with the processor |
|----------|-------------------------------|

#### Memory

|                          |                   |
|--------------------------|-------------------|
| RAM                      | 8GB               |
| Installed RAM Details    | 1 x 8GB Removable |
| RAM Type                 | DDR4              |
| RAM Bus                  | 3200 MHz          |
| Total RAM Slot           | 2                 |
| Empty/Expansion RAM Slot | 1                 |
| Max. RAM Support         | 32GB              |

#### Storage

|                          |                                  |
|--------------------------|----------------------------------|
| Storage                  | 512GB SSD                        |
| Installed HDD Type       | No HDD                           |
| HDD RPM                  | No HDD                           |
| HDD Expansion Slot       | No                               |
| Installed SSD Type       | NVMe PCIe                        |
| Installed SSD Generation | Gen 3                            |
| M.2/SSD Expansion Slot   | No                               |
| Storage Upgrade          | Installed SSD can be upgradeable |

#### Graphics

|                               |                        |
|-------------------------------|------------------------|
| Graphics Chipset              | Intel Iris Xe Graphics |
| Graphics Memory Accessibility | Integrated             |
| Graphics Memory               | Shared                 |
| Graphics Memory Type          | Not Applicable         |

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## Display

|                             |                      |
|-----------------------------|----------------------|
| Display Size (Inch)         | 15.6                 |
| Display Type                | FHD LED Display      |
| Panel Type                  | IPS                  |
| Display Resolution          | 1920x1080            |
| Coating Technology          | Anti-Glare           |
| Touch Screen                | No                   |
| Display Refresh Rate        | 60 Hz                |
| Brightness                  | 250nits              |
| Display Features            | Anti-glare, 250 nits |
| Secondary Screen Size       | No Secondary Screen  |
| Secondary Screen Technology | No Secondary Screen  |
| Secondary Screen Resolution | No Secondary Screen  |

## Ports & Slots

|                           |                |
|---------------------------|----------------|
| Optical Drive             | No             |
| Multimedia Card Slot      | No             |
| Supported Multimedia Card | Not Applicable |
| USB 2 Port                | No             |
| USB 3 Port                | 2 x USB Type-A |
| USB C / Thunderbolt Port  | 2 x USB Type-C |
| HDMI Port                 | 1              |
| Micro HDMI Port           | No             |
| Mini HDMI Port            | No             |

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|                 |       |
|-----------------|-------|
| Display Port    | No    |
| Mini DP Port    | No    |
| VGA/D-Sub       | No    |
| Headphone Port  | Combo |
| Microphone Port | Combo |

#### Network & Connectivity

|           |               |
|-----------|---------------|
| LAN       | Yes           |
| WiFi      | Wi-Fi 6E      |
| Bluetooth | Bluetooth 5.3 |

#### Audio & Camera

|                  |                                              |
|------------------|----------------------------------------------|
| Audio Properties | Dual stereo speakers, dual array microphones |
| Speaker          | Yes                                          |
| Microphone.      | Yes                                          |
| WebCam           | HD WebCam                                    |

#### Keyboard

|                          |                                        |
|--------------------------|----------------------------------------|
| Keyboard Layout          | Full-size keyboard with numeric keypad |
| Keyboard Back-lit        | Yes                                    |
| Num Key pad              | Yes                                    |
| Pointing Device          | TouchPad                               |
| Dedicated Navigation key | No                                     |

#### Security

|                     |     |
|---------------------|-----|
| Finger Print Sensor | Yes |
| TPM                 | Yes |

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|               |                  |
|---------------|------------------|
| Security Chip | Firmware TPM 2.0 |
|---------------|------------------|

#### Software

|                      |          |
|----------------------|----------|
| Operating System     | Free-Dos |
| Licensed Application | No       |

#### Physical Description

|               |                           |
|---------------|---------------------------|
| Body Material | Aluminum                  |
| Color         | Silver                    |
| Dimensions    | 359.16 x 233.68 x 19.81mm |
| Weight (Kg)   | 1.79 kg                   |

#### Power

|                  |              |
|------------------|--------------|
| Battery          | 3 Cell       |
| Battery Capacity | 51 WHr       |
| Backup Time      | Up to 3 Hrs. |
| Power Adapter    | 65W          |
| Adapter Type     | AC adapter   |

#### Warranty

|                                       |                                                                                                                                                                                                                                                |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Warranty Details                      | 3 Year (3 year for Battery and Adapter)                                                                                                                                                                                                        |
| Warranty Claim Duration (Approximate) | Estimated Warranty Claim Duration 20 Days. It may take additional time up to 40 days                                                                                                                                                           |
| Certifications                        | Military Grade                                                                                                                                                                                                                                 |
| Best For                              | Browsing, working on documents, and making light photo and video edits                                                                                                                                                                         |
| Country Of Origin                     | USA                                                                                                                                                                                                                                            |
| Made in/ Assemble                     | China                                                                                                                                                                                                                                          |
| Disclaimer                            | Mentioned Battery Backup information is collected from manufacturer. As per manufacturer the backup time may vary for different use case, settings, applications and some other factors. Dual channel RAM required For Intel Iris Xe Graphics. |

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