

# Tecra A50

# Detailed Product Specification

**Model Name: A50-K**

**Part Number: PML20U-16V005**

**UPC: 889661331094**

## Summary

Windows 10 Pro, 12th Generation Intel® Core™ i7-1260P processor, 4.70 GHz, 15.6" FHD, 32 GB DDR4, 1 TB SSD, 802.11ax Wireless, Bluetooth

## Operating System

Windows 10 Pro  
with downgrade facilitation rights

## Processor and Graphics

12th Generation Intel® Core™ i7-1260P processor  
(18M Cache, up to 4.70 GHz)  
Intel® Iris® Xe Graphics

## Memory

32 GB DDR4  
Configuration: 16 GB + 16 GB  
Maximum Memory: 32 GB

## Storage

1 TB PCIe NVMe SSD

## Display

Size (diagonal): 15.6" FHD  
Native Resolution: 1920 x 1080  
Brightness Rating: 250 nits  
Aspect Ratio: 16:9

## Sound System

Stereo Speaker System  
Dual-Array Microphones  
DTS Audio Processing

## Camera

Webcam with Privacy Shutter

## Communication

Intel® Ethernet Connection I219 Family  
Intel® Wi-Fi 6E (Gig+) AX211 (802.11ax)  
Bluetooth

## Security

Trusted Platform Module (dTPM 2.0)  
Fingerprint reader  
Reinforced Security Lock Slot

## Ports and Expandability

Ports: 2 x USB 4.0 Type-C (Thunderbolt 4), 2 x USB 3.2 Gen 1 (one w/ USB Sleep and Charge), 1 x HDMI, 1 x RJ-45, 1 x microSD, Headset

Supported via Dynabook USB-C Dock:

1 x HDMI, 1 x DisplayPort, 1 x VGA, 2 x USB 3.2 Gen 2, 1 x USB 3.2 Gen 1, 1 x Headset jack, 1 x RJ-45 LAN, 1 x SD Card slot

Supported via Thunderbolt 4 Dock:

1 x USB-C (USB 4.0 / Thunderbolt 4 DFP), 2 x HDMI 2.0, 2 x DisplayPort 1.4, 2 x USB-C 3.2 Gen 2, 4 x USB 3.2 Gen 2, 1 x Headset jack, 1 x RJ-45 LAN, 1 x SD Card

## Input Devices

Multi-touch Touch Pad  
U.S. English Premium, Raised Tile, Backlit Keyboard

## Physical Description

Dark Blue  
IONEPURE® IPL Antimicrobial Paint Coating  
Tested to MIL-STD-810H methodologies  
HALT Tested Design  
Dimensions: (WxDxH)  
358.2 x 236.9 x 19.9 mm (14.1 x 9.3 x 0.78 in)  
Weight: Starting at 1.63 kg (3.59 lbs)

## Power

65W (19V) 100-240V/50-60Hz AC Adapter  
53 Wh Lithium Polymer battery pack  
Battery Life Rating (MobileMark™ Productivity 2018)  
Up to 8.3 hours  
(Results using Windows 10 Pro Operating System)

## Environmental Credentials

ENERGY STAR® Qualified  
EPEAT Gold Rated  
This product is ROHS compatible

## 3 Year Standard Limited Warranty with On-Site

Includes International Limited Warranty for obtaining service when traveling outside of the United States.

## Environmental Specifications

Temperature: Operating 5° to 35°C (41° to 95°)  
Non-Operating -20° to 65°C (-4° to 149°F)  
Thermal Gradient: Operating 15° C per hr. max;  
Non-Operating 20° C per hr. max  
Relative Humidity: Operating 20% to 80% non-condensing;  
Non-Operating: 10% to 90% non-condensing  
Altitude (relative to sea level): Operating: -60 to 3,000m.;  
Non-Operating: -60 to 10,000m.  
Shock: Operating: 10G; Non-Operating 60G  
Vibration: Operating 0.5G; Non-Operating: 1G

## Accessories

For additional and most updated accessories, please visit:  
[us.dynabook.com/accessory-finder](https://us.dynabook.com/accessory-finder)

## Power

PA5367U-1ACA Dynabook 65W AC Adapter (4mm)  
PA5352U-1ACA USB-C PD3.0 65W AC adapter

## Expansion

PS0120UA1PRP Thunderbolt™ 4 Dock  
PA5356U-1PRP Dynabook USB-C Dock  
PA3927U-1PRP dynadock® U3.0 USB Docking Station  
PA5269U-2PRP Toshiba USB-C to HDMI Adapter  
PS0089UA1PRP Dynabook USB-C to VGA/LAN Adapter  
PA5270U-1PRP Toshiba USB-C to VGA Adapter  
PS0001UA1PRP Dynabook USB-C to HDMI/VGA/LAN/USB Adapter (Travel Dock)

## Input Devices

AMU81USZ Targus USB Full-Size Optical Mouse  
AMW575TT Targus Wireless Optical Mouse  
AKB30US Targus USB Wired Keyboard  
AMB580TT Targus B580 Bluetooth Mouse  
AKB30US Targus USB Standard Size Keyboard  
AKB55TT Targus KB55 Multi-Platform Bluetooth  
AKM610BT Targus KM610 Wireless Keyboard and Mouse Combo

## Carrying Case

3204071 THULE Chronical 26L Backpack  
3204813 THULE Accent 23L Backpack  
3204167 THULE Construct 24L Backpack  
3204817 THULE Accent 15.6" Briefcase  
3204086 THULE Subterra 15.6' Briefcase  
3204196 Case Logic Notion 15.6" Briefcase  
3204196 Case Logic Notion 15.6" Briefcase

## Subject to Change

While Dynabook has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Dynabook's Web site at <https://support.dynabook.com>

## Return Policy

Notwithstanding anything to the contrary in any third party License Agreement or product documentation supplied with your PC, Dynabook Americas, Inc. ("DBA") does not accept the return of component parts, or bundled software, that have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the DBA dealer where you purchased the product, and comply with the dealer's standard return policies and procedures.

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**Availability** - Depending on system configuration feature might be unavailable

**Battery Life Rating. (Notebook)** - Measured by MobileMark® 2018 for models preinstalled with Microsoft® Windows 10 or Windows 11. Benchmark rules for MobileMark® 2018: Wireless connectivity = On, Predefined updated workloads. Details of MobileMark® 2018 testing protocols are available at [www.bapco.com](http://www.bapco.com). MobileMark is a U.S. registered trademark of the Business Applications Performance Corporation.

Rating is for comparison purposes only, and does not indicate the battery life that will be obtained by any individual user. Actual battery life may vary considerably from specifications depending on product model, configuration, applications, power management settings and features utilized, as well as the natural performance variations produced by the design of individual components. The battery life rating is only achieved on the select models and configurations tested by Dynabook under the specific test settings at the time of publication and is not an estimate of a system's battery life under any conditions other than the specific test settings

**Memory (Main System)** - Part of the main system memory may be used by the graphics system for graphics performance and therefore reduce the amount of main system memory available for other computing activities. The amount of main system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors.

**Spill-Resistant Keyboard** - Under Dynabook testing conditions, the spill-resistant keyboard delayed the time for a water spill to reach the computer's main board to allow more time to properly close down the machine. Dynabook's standard limited warranty terms and limitations apply. Visit <https://support.dynabook.com/warranty> for details.

**Storage Drive Capacity** - One Gigabyte (GB) means 10<sup>9</sup> = 1,000,000,000 bytes and One Terabyte (TB) means 10<sup>12</sup> = 1,000,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 2<sup>30</sup> = 1,073,741,824 bytes and 1TB = 2<sup>40</sup> = 1,099,511,627,776 bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the computer includes one or more pre-installed operating systems, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

**Thunderbolt™ 4 Dock** - Thunderbolt 4 docking feature requires notebook with Thunderbolt 4 capability

**USB Sleep & Charge** - The "USB Sleep & Charge function" may not work with certain external devices even if they are compliant with the USB specification. In those cases, turn the power of the computer ON to charge the device

**USB Transfer Speed** - 5Gbps is the maximum theoretical interface transfer rate per the specifications of the Universal Serial Bus 3.0. Actual transfer rate will vary depending on your system configuration and other factors. USB 3.1 Gen 2. 10Gbps is the maximum theoretical interface transfer rate per the specifications of the Universal Serial Bus 3.1. Actual transfer rate will vary depending on your system configuration and other factors.

**USB Type-C Docking** - USB Type-C docking requires USB Type-C port with the ability to support power delivery and display port

**Warranty** - The terms and conditions of Dynabook's standard limited warranty are available at <https://support.dynabook.com/warranty>

**Weight** - Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected

**RoHS** - This computer is compatible with European Union Directive 2011/65/EU, Restriction of the use of certain Hazardous Substances in electrical and electronic equipment (RoHS), which restricts use of lead, cadmium, mercury, hexavalent chromium, PBB, and PBDE. Dynabook requires its computer component suppliers to meet RoHS requirements and verifies its suppliers' commitment to meeting RoHS requirements by conducting component sampling inspections during the product design approval process.