

## Toshiba Portégé Z20T-B-10G (PT15AE-00K00FBT)

Intel Core M-5Y51, 1.10 / 2.60 Turbo GHz, 4096 MB LP-DDR3L RAM, 128 GB SSD, 12.5" IPS FullHD, Intel HD Graphics 5300, 5MP, Bluetooth 4.0 + LE, WLAN, LAN, 4G, 3G, HDMI, USB 3.0, Windows 8.1 Pro 64-bit



### Price details:

Price excl. VAT: 1,388.50 €

Eco fees: 0.36 €

VAT 21 %: 291.66 €

### Product details:

Product code: PT15AE-00K00FBT

EAN: 4051528178265

Manufacturer: Toshiba

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**1,680.52 €**

\* VAT included

### THE HYBRID ULTRABOOK FOR PROFESSIONALS

With Ultrabook performance and tablet flexibility in one device, the fully detachable 31.75 cm (12.5") Portégé Z20t-B for professionals enables you to create or consume content almost anywhere. The device is ideal for day-to-day business use - whether you're working at your desk, giving presentations, attending meetings, sharing ideas or taking notes. You can enjoy a long lasting battery life for increased productivity when on the move between boardrooms - and with a premium design that's thin and lightweight, carrying the Portégé Z20t-B around is easy too. Plus, with Toshiba's integrated Trusted Platform Module (TPM), all the data on your local storage will stay safe - leaving you to focus on getting your work done.

### GREAT FOR PRESENTATIONS

If you have to give presentations on a regular basis, you'll love the Portégé Z20t-B's ultimate business flexibility. With just one click, you can transform the Ultrabook into a high performance tablet to present your work to colleagues and clients. The device's integrated handwriting recognition means you can take notes easily because the words you write with the included pen are automatically converted to digital text. What's more, there's a HDMI port for quickly linking to large screens, and the Portégé Z20t-B's thin and lightweight form factor makes it easy to carry around between meetings.

### YOUR BUSINESS COMPANION

When you're at your desk, in a meeting, giving a presentation, or simply on the go, the Portégé Z20t-B's extensive connectivity options enable you to hook up to all the peripherals you might need. You can connect to a second screen via the HDMI or RGB ports, and access the network through the Gigabit LAN port. Impressive laptop performance is always on hand to help you tackle your multiple daily tasks - and there's even a backlit keyboard for clearer typing in low light environments.

### PROVIDES PEACE OF MIND AT ALL TIMES

However and wherever you work, it's important to know that your business's critical data is kept secure - at all times. That's why the Portégé Z20t-B offers a number of advanced features designed to provide you with peace of mind - leaving you to concentrate on getting your jobs done without distraction. The device's Trusted Platform Module (TPM) safeguards the data on local storage, while Intel® Active Management Technology (AMT) allows your IT department to monitor, maintain, repair, update and upgrade machines remotely.

### DESIGNED TO MAKE AN IMPRESSION

First impressions count when you're meeting customers and clients. That's why the Portégé Z20t-B has been designed to look the part in any professional setting. Its innovative detachable functionality means you can show-off several modes of usage and its stylish magnesium alloy chassis always looks great. The Portégé Z20t-B's sturdy build won't let you down either: at just 21 mm thin in laptop mode and 8.8 mm in tablet mode, the device is deceptively durable. The chassis is drop-tested up to 76 cm / 30", making it ultra reliable for all your daily in- and out-of-office work.

### WORKS ALL DAY, EVERY DAY

In today's world of always-on computing, your device needs to stand up to relentless everyday usage. The Portégé Z20t-B has been specifically tested for repeated usage and is equipped with a battery life of up to 17 hours\* - that's two full working days of power, which means you won't have to charge up as frequently. Consequently, the Portégé Z20t-B is efficient to the core. It even has EPEAT Gold certification and the latest Energy Star qualification, so it can be classed as an environmentally preferable product. Plus, with Toshiba Eco Utility software, you can manage your PC settings to optimise your power consumption as you see fit.

## GOES WHERE YOU GO

If work takes you out of the office, you'll be prepared for almost anything with the Portégé Z20t-B. Its matt, non-reflective screen means you can work comfortably in direct sunlight - and its slim design means you can carry it home easily when the sun goes down. You can even benefit from full PC performance when in tablet mode because the Ultrabook performance extends seamlessly across both of the device's modes. What's more, with the latest wireless options - including Bluetooth 4.0, Wi-Fi AC, Wi-Fi N and HSPA+/LTE - you'll still be able to connect to your colleagues wherever you go.

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### Main specifications:

#### Design

Colour of product:	Black
Product type:	Notebook
Form factor:	Convertible (Detachable)

#### Display

Display diagonal:	12.5 "
Display resolution:	1920 x 1080 pixels
Touchscreen:	Y
Touch technology:	Multi-touch
Touchscreen type:	Capacitive
Panel type:	IPS
HD type:	Full HD
Aspect ratio:	16:9
LED backlight:	Y

#### Processor

Processor frequency:	1.1 GHz
Processor family:	Intel Core M
Processor model:	M-5Y51
Processor boost frequency:	2.6 GHz
Processor cores:	2
Processor threads:	4
Processor cache:	4 MB
Processor cache type:	L3
Processor socket:	BGA 1234
Processor lithography:	14 nm
Processor operating modes:	32-bit,64-bit
Processor series:	Intel Core M-5Y Mobile series
Processor codename:	Broadwell
FSB Parity:	N
Stepping:	F0
Thermal Design Power (TDP):	4.5 W
Configurable TDP-down frequency:	600 MHz
Scenario Design Power (SDP):	3.5 W
Tjunction:	95 °C
Maximum number of PCI Express lanes:	12
PCI Express slots version:	2.0
PCI Express configurations:	x1 (6), x2 (4), x4 (3)
ECC supported by processor:	N

#### Memory

Internal memory:	4 GB
Internal memory type:	LPDDR3L-SDRAM
Maximum internal memory:	4 GB
Memory clock speed:	1600 MHz

#### Storage

Total storage capacity:	128 GB
Storage media:	SSD
Card reader integrated:	Y
Number of SSDs installed:	1
Solid-state drive capacity:	128 GB
Compatible memory cards:	MicroSD (TransFlash)

#### Graphics

On-board graphics adapter:	Y
Discrete graphics adapter:	N
On-board graphics adapter model:	Intel HD Graphics 5300
Discrete graphics adapter model:	Not available
On-board graphics adapter family:	Intel HD Graphics
On-board graphics adapter base frequency:	300 MHz
On-board graphics adapter dynamic frequency:	900 MHz
Maximum on-board graphics adapter memory:	16 GB
Number of displays supported (on-board graphics):	2
On-board graphics adapter DirectX version:	11.2
On-board graphics adapter ID:	0x161E

#### Audio

Audio system:	DTS
Built-in microphone:	Y

#### Camera

Front camera:	Y
Front camera resolution (numeric):	5 MP
Auto focus:	Y

#### Optical drive

Optical drive type:	N
LightScribe:	N

#### Networking

Bluetooth:	Y
3G:	Y
4G:	Y
Wi-Fi:	Y
Wi-Fi standards:	IEEE 802.11a,IEEE 802.11ac,IEEE 802.11b,IEEE 802.11g,IEEE 802.11n
Ethernet LAN:	Y
Bluetooth version:	4.0 LE
Ethernet LAN data rates:	10,100,1000 Mbit/s
2G standards:	EDGE,GPRS,GSM
3G standards:	HSPA+
4G standard:	LTE

#### Ports & interfaces

USB 3.0 (3.1 Gen 1) Type-A ports quantity:	2
HDMI ports quantity:	1
Micro-USB 2.0 ports quantity:	1
Ethernet LAN (RJ-45) ports:	1
DVI port:	N
VGA (D-Sub) ports quantity:	1
Micro HDMI ports quantity:	1
Headphone outputs:	1
Combo headphone/mic port:	Y
Docking connector:	Y
DC-in jack:	Y
CardBus PCMCIA slot type:	N

#### Performance

GPS (satellite):	Y
Electronic compass:	Y
Ambient light sensor:	Y
Accelerometer:	Y
Gyroscope:	Y

#### Keyboard

Numeric keypad:	N
Pointing device:	Clickpad
Spill resistant keyboard:	Y

#### Software

Operating system installed:	Windows 8.1 Pro
Operating system architecture:	64-bit
Trial software:	McAfee Live Safe, Microsoft Office
Bundled software:	CyberLink Media PlayerDTS Studio SoundEvernoteTOSHIBA Display Utility TOSHIBA Eco UtilityTOSHIBA Function Key TOSHIBA PC Health Monitor TOSHIBA System Settings

#### Processor special features

Intel® Wireless Display (Intel® WiDi):	Y
Intel® My WiFi Technology (Intel® MWT):	N
Intel® Anti-Theft Technology (Intel® AT):	N
Intel® Smart Response Technology:	Y
Intel® Identity Protection Technology (Intel® IPT):	Y
Intel® vPro® Technology:	N
Intel® Hyper Threading Technology (Intel® HT Technology):	Y
Intel® Turbo Boost Technology:	2.0
Intel® Small Business Advantage (Intel® SBA):	Y
Enhanced Intel SpeedStep Technology:	Y
Intel® Clear Video HD Technology (Intel® CVT HD):	Y
Intel Clear Video Technology:	N
Intel® InTru® 3D Technology:	Y
Intel® Insider®:	Y
Intel® Quick Sync Video Technology:	Y
Intel Flex Memory Access:	Y
Intel® Smart Cache:	Y
Intel® AES New Instructions (Intel® AES-NI):	Y
Intel Trusted Execution Technology:	N
Intel Enhanced Halt State:	Y
Intel VT-x with Extended Page Tables (EPT):	Y
Intel Demand Based Switching:	N
Intel® Secure Key:	Y
Intel Stable Image Platform Program (SIPP):	N
Intel® OS Guard:	Y
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID):	Y
Intel 64:	Y
Execute Disable Bit:	Y
Thermal Monitoring Technologies:	Y
Processor package size:	30 mm
Supported instruction sets:	AVX 2.0,SSE4.1,SSE4.2
Processor code:	SR23L
CPU configuration (max):	1
Embedded options available:	N
Graphics & IMC lithography:	14 nm
Intel Virtualization Technology for Directed I/O (VT-d):	Y
Intel Identity Protection Technology version:	1.00
Intel Smart Response Technology version:	1.00
Intel Stable Image Platform Program (SIPP) version:	0.00
Intel Secure Key Technology version:	1.00
Intel Small Business Advantage (SBA) version:	1.00
Intel TSX-NI version:	0.00
Intel Virtualization Technology (VT-x):	Y
Intel Dual Display Capable Technology:	N
Intel FDI Technology:	Y
Intel Rapid Storage Technology:	N
Intel Fast Memory Access:	Y
Processor ARK ID:	84669
Conflict Free processor:	Y

#### Battery

Battery technology:	Lithium Polymer (LiPo)
Number of battery cells:	3
Battery life (max):	17 h
Battery life (tablet mode):	9 h

#### Power

AC adapter input voltage:	100 - 240 V
AC adapter output current:	2.37 A
AC adapter output voltage:	19 V
Power auto-sensing:	Y

#### Security

Cable lock slot:	Y
Cable lock slot type:	Kensington
Trusted Platform Module (TPM):	Y
Password protection:	Y
Password protection type:	HDD,Supervisor,User

#### Certificates

Energy Star certified:	Y
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#### Weight & dimensions

Weight:	1510 g
Width:	309 mm
Depth:	18.5 mm
Height:	21 mm
Weight (tablet mode):	730 g
Width (tablet mode):	309 mm
Depth (tablet mode):	199.9 mm
Height (tablet mode):	8.8 mm

#### Packaging content

AC adapter included:	Y
Toshiba Reliability Guarantee:	Y