



# Acer TravelMate TMB311-31-C5KC Laptop 29.5 cm (11.6") HD Intel® Celeron® N N4120 4 GB DDR4-SDRAM 64 GB Flash Wi-Fi 5 (802.11ac) Windows 10 Pro Education Black

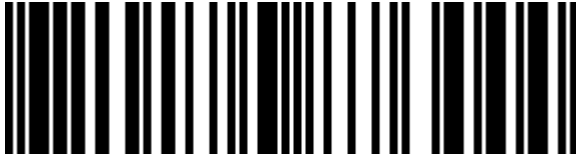


**Brand :** Acer **Product family:** TravelMate **Product code:** NX.VN5EK.002  
**Product name :** TMB311-31-C5KC

- Windows 10 Pro Education 64-bit  
 - Intel Celeron N4120 (4MB Cache, 1.1GHz)  
 - 29.5 cm (11.6") HD 1366 x 768 LCD  
 - 4GB DDR4-SDRAM (1 x 4) & 64GB Flash  
 Intel Celeron N4120 (4MB Cache, 1.1GHz), 4GB DDR4-SDRAM, 64GB Flash, 29.5 cm (11.6") HD 1366 x 768 LCD, Intel UHD Graphics 600, LAN, WLAN, Webcam, Windows 10 Pro Education 64-bit  
 Acer TravelMate TMB311-31-C5KC. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Celeron® N, Processor model: N4120, Processor frequency: 1.1 GHz. Display diagonal: 29.5 cm (11.6"), HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 64 GB, Storage media: Flash. On-board graphics card model: Intel® UHD Graphics 600. Operating system installed: Windows 10 Pro Education. Product colour: Black

Design		Network	
Colour name	Shale Black	WLAN controller manufacturer	Intel
Product type *	Laptop	Ethernet LAN	✓
Product colour *	Black	Ethernet LAN data rates	10,100,1000 Mbit/s
Form factor *	Clamshell	Bluetooth	✓
<b>Display</b>		Bluetooth version	5.0
Display diagonal *	29.5 cm (11.6")	<b>Ports &amp; interfaces</b>	
Display resolution *	1366 x 768 pixels	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Touchscreen *	✗	Ethernet LAN (RJ-45) ports	1
HD type	HD	HDMI ports quantity *	1
Panel type	LCD	Combo headphone/mic port	✓
LED backlight	✓	<b>Keyboard</b>	
Native aspect ratio	16:9	Pointing device	Touchpad
Display surface	Matt	Keyboard layout	QWERTY
<b>Processor</b>		Keyboard language	UK English
Processor manufacturer *	Intel	Numeric keypad *	✗
Processor family *	Intel® Celeron® N	<b>Software</b>	
Processor model *	N4120	Operating system architecture	64-bit
Processor frequency *	1.1 GHz	Operating system installed *	Windows 10 Pro Education
Processor boost frequency	2.6 GHz	<b>Processor special features</b>	
Processor threads	4	Intel® Anti-Theft Technology (Intel® AT)	✗
Processor cores	4	Intel® Smart Response Technology	✗
Processor cache	4 MB	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor socket	BGA 1090	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor lithography	14 nm	Intel® Turbo Boost Technology	✗
Processor operating modes	64-bit	Enhanced Intel SpeedStep Technology	✓
Processor codename	Gemini Lake Refresh	Intel® Quick Sync Video Technology	✓
Thermal Design Power (TDP)	6 W	Intel® AES New Instructions (Intel® AES-NI)	✓
Tjunction	105 °C		
Maximum number of PCI Express lanes	6		
PCI Express slots version	2.0		
PCI Express configurations	1x4+1x2, 4x1, 2x1+1x2+1x2		

Memory		Processor special features	
Internal memory *	4 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory type	DDR4-SDRAM	Intel® Secure Key	✓
Memory layout (slots x size)	1 x 4 GB	Intel® OS Guard	✓
Storage		Intel Software Guard Extensions (Intel SGX)	✓
Total storage capacity *	64 GB	Intel 64	✓
Storage media *	Flash	Execute Disable Bit	✓
Flash memory	64 GB	Idle States	✓
Optical drive type *	✗	Thermal Monitoring Technologies	✓
Card reader integrated	✓	Processor package size	25 x 24 mm
Compatible memory cards	MicroSD (TransFlash)	Supported instruction sets	SSE4.2
Graphics		CPU configuration (max)	1
Discrete graphics card model *	Not available	Embedded options available	✗
On-board graphics card *	✓	UART	✓
Discrete graphics card *	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card family	Intel® UHD Graphics	Intel Virtualization Technology (VT-x)	✓
On-board graphics card model *	Intel® UHD Graphics 600	Processor ARK ID	197309
On-board graphics card base frequency	200 MHz	Battery	
On-board graphics card burst frequency	700 MHz	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card dynamic frequency (max)	700 MHz	Number of battery cells	3
Maximum on-board graphics card memory	8 GB	Battery capacity *	48 Wh
Number of execution units	12	Battery life (max)	12 h
On-board graphics card DirectX version	12.0	Power	
On-board graphics card OpenGL version	4.4	AC adapter power	45 W
On-board graphics card ID	0x3185	Security	
Audio		Cable lock slot	✓
Number of built-in speakers	2	Cable lock slot type	Kensington
Built-in microphone	✓	Trusted Platform Module (TPM)	✓
Number of microphones	2	Password protection	✓
Camera		Password protection type	BIOS, HDD, Supervisor, User
Front camera	✓	Weight & dimensions	
Front camera resolution	1280 x 720 pixels	Width	295 mm
Front camera HD type	HD	Depth	215 mm
Network		Height	20.9 mm
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Weight *	1.4 kg
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	Packaging content	
Mobile network connection *	✗	Cables included	AC
Antenna type	2x2		
WLAN controller model	Intel Dual Band Wireless-AC 9560		



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