



Windows 11 Pro Semi-Rugged Laptop with 14.0" Outdoor Display

TOUGHBOOK 55

TOUGHBOOK 55 with Windows 11 Pro, magnesium chassis, flexible configurations and universal bay is the most versatile 14" semi-rugged TOUGHBOOK ever built, but doesn't compromise on durability, with a unique 'honeycomb' design for improved strength and splash resistance. In terms of flexibility, the TOUGHBOOK 55 is equally outstanding. It offers a huge array of flexible self configuration options, making it easier to customise the device to suit multiple job roles and business needs as they change.

Key Features

Intel® Core™ i5-1145G7 vPro™ Processor (optional Intel® Core™ i7-1185G7 vPro™**)

Windows 11 Pro

14" WXGA or Full-HD Active Matrix LCD, optional capacitive Touch Screen, up to 1,000cd/m² brightness

Maximum flexibility by two Expansion Slots and TOUGHBOOK Universal Bay

Up to 19 hours battery life with standard battery.



TOUGHBOOK 55

<https://ap.connect.panasonic.com/vn/en/products/toughbook/toughbook-55>

Mobile Computing Platform	Intel® Core™ i5-1145G7 vPro™ processor (optional Intel® Core™ i7-1185G7 vPro™*)
Operating System	Windows 11 Pro
RAM	8GB RAM (max. 64GB)
Graphic Chip	Intel® UHD Graphics 620 (AMD Radeon Pro WX in TOUGHBOOK Universal Bay optional)
Storage	256GB SSD
LCD	14" Active Matrix (TFT) colour LCD 1366x768 pixels (HD) or 1920x1080 pixels (Full-HD), optional capacitive 10 finger Touch Screen.
Bluetooth™	5.0
Wireless LAN	Intel® Dual Band Wireless-AC 9560
Mobile Broadband*	4G LTE, EM7430
Global Positioning*	u-blox NEO-M8N (supports GPS, GLONASS, Beidou, Galileo)
LAN	IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T (2nd GLAN optional)
Sound	WAVE and MIDI playback, Intel® High Definition Audio subsystem support
Enhanced Voice Recognition*	4 Microphones (included in Front Camera)
Front Camera*	2 MP with IR / privacy shutter, Windows Hello compliant (standard configuration on Full-HD models only)
Micro SDXC Memory Card	x1
USB 3.1	x2
USB 3.1 type C PD	x1
HDMI	x1
Headset	x1
DC In	x1
Port Replicator	x1
Dual Path Through Connector*	x1
TOUGHBOOK Universal Bay**	Discrete GPU (AMD Radeon ProWX), 2nd SSD (256 GB / 512 GB / 1 TB), Smart Card Reader, DVD Multi Drive, Blu Ray Drive
Front Expansion Slot**	2nd Battery, Fingerprint Reader, Contactless Smart Card Reader (HF-RFID), Smart Card Reader
Rear Expansion Slot***	VGA + True Serial + 4th USB 3.1 (standard configuration on Full-HD models only), VGA + True Serial + 2nd native GLAN, VGA + True Serial + Rugged USB 2.0
AC Adapter	Input: 100V - 240V AC, 50Hz/ 60Hz, Output: 15.6V DC, 7.05A
Battery	Lithium-Ion 10.8V, 6500mAh (typ.), 6300mAh (min.)
Battery Life	Approx. 19 hours (Mobile Mark™ 2014)
Power Management	Approx. 38 hours with 2nd battery (Mobile Mark™ 2014)
Hot Swap*	Standby function, ACPI BIOS
Dimensions (WxHxD)	With 2nd Battery
Weight	345mm x 272mm x 32.8mm
Drop Resistance	Approx. 2.08 kg to 2.22 kg depending on configuration
Dust Resistance	90cm****
Dust Resistance	IP5x
Water Resistance	IPx3
Operating Temperature	-29°C to +60°C****
Included in the box	Power Supply, Power Cord, capacitive pen, Display cleaning cloth and User Manual

* Optional

** Exclusive Option, pre-configured or accessory

*** Exclusive Option, pre-configured

**** Tested by an independent third party lab following MIL-STD810H Method 516.8 Procedure IV for transit drop test and Method 501.7 and 502.7 Procedure II for operation temperature test. May differ depending on models and options.