


## THE PINNACLE OF ACHIEVEMENT IN BUSINESS.



An enterprise-grade convertible  
that can function as a business class  
notebook, a best-in-class tablet and  
a high-end workstation.

**X20**

THINNER | LIGHTER | FASTER



## **TOSHIBA'S X20. THE NEW HIGH PERFORMANCE CONVERTIBLE THAT DELIVERS ON EVERY LEVEL.**

The enterprise-grade X20 is both a business class notebook and a best-in-class tablet. With its slim, elegant lines, class leading spec, productivity-boosting flexibility and reliability-enhancing engineering, the X20 delivers on every level, from the small business shop-floor to the top floor at The Big End Of Town.

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## **AN OPPORTUNITY FOR ORGANISATIONS TO STREAMLINE THEIR FLEETS.**

Device proliferation leads to increased capex and leasing costs, and pushes up support costs. The X20 provides CFOs and CIOs with the means to reverse this trend.

- » With its top-of-the-line performance, 13-hour battery life and elegant styling, the X20 can replace the notebooks favoured by senior management.
- » The X20 converts into a 12.5" tablet with a pro-grade digitizer, so it can replace all those costly-to-support tablets with incompatible operating systems.
- » Power-users can connect external GPUs and storage stacks, so the X20 can replace workstations.



## IT'S A SLIM, LIGHT, HIGH PERFORMANCE NOTEBOOK.

Despite being only 15.4 mm thin, the X20 runs 7th Generation Intel® Core™ i processors. This makes it a no-compromise notebook in a slim, light package.

**Full voltage 7th generation Intel® Core™ i5 or i7 processors.**

**Intel® vPro™** available in selected models.

**256GB/512GB SSD drives.**

**8GB/16GB memory.**

**Full-size keyboard** with 3 levels of backlighting.

**Harman Kardon bass reflex and front-facing treble speakers** optimised for the X20.

**Heavy duty screws** – not plastic clips – **secure the magnesium-alloy casework** to create a crush and impact resistant monocoque shell.

**Windows 10 Professional.**

**HD webcam.**

**Dual infra-red cameras** for high security biometric log-in.

**USB-3 port** lets users charge smartphones and connect to legacy USB 3.0 peripherals.

**Thunderbolt™ 3 port** – daisy chain up to 6 devices. Provides power, and data rates up to 40GB/sec.

**13 hour battery life.**  
Measured by Mobile Mark™ 2014.



## IT'S A BEST IN CLASS TABLET.

Weighing just 1.1 kg, the X20 doubles as a slim, light 12.5" tablet. Users can interact via the touchscreen or with the exquisitely sensitive digitizer pen.

**12.5" full HD screen.**

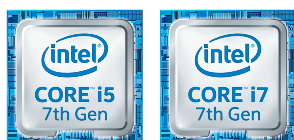
**Quick-charge technology** can provide 4 hours charge in 30 minutes.

Active electrostatic digitizer pen with **2,048 levels of pressure sensitivity.**

**10 point multi-touch screen.**

**Corning® Gorilla® Glass 4 screen protection** and anti-glare coating.

**New two-axis dual hinge design** provides **durability** during transition from notebook to tablet.





## THE X20 WITH THUNDERBOLT™ 3. BUSINESS CLASS GOES SUPERSONIC.

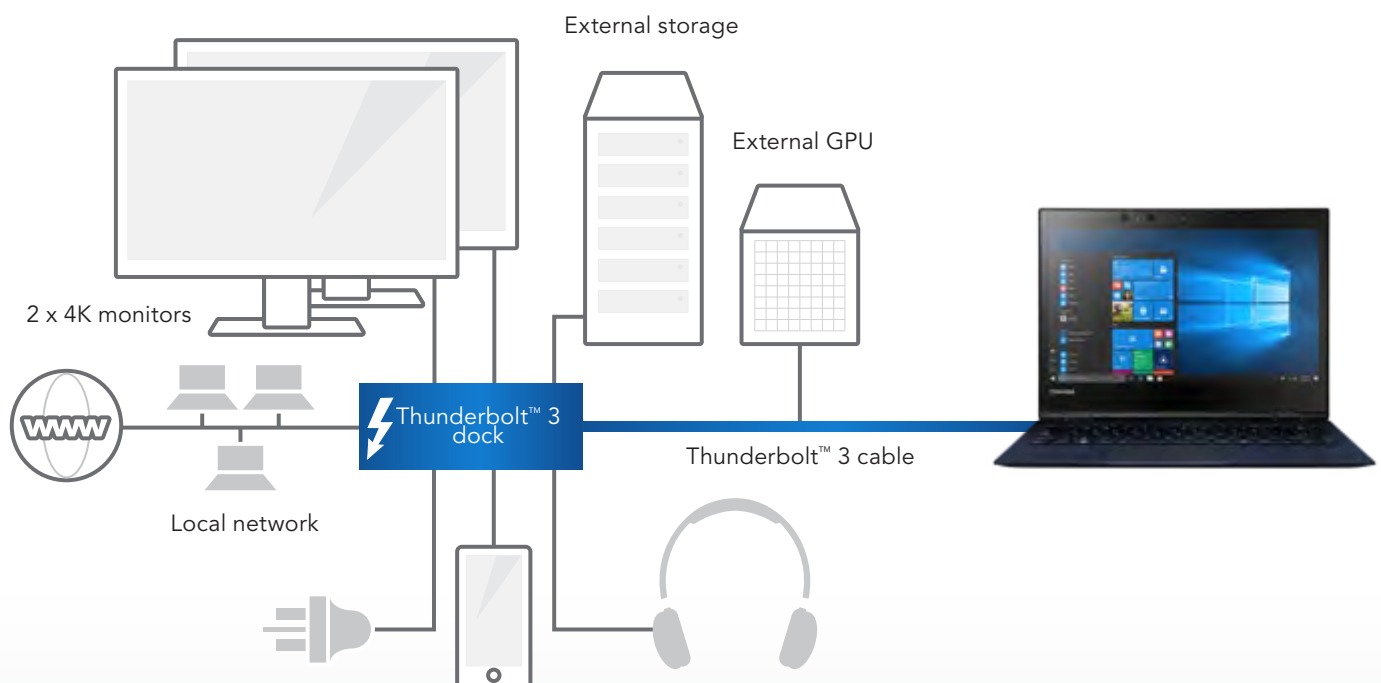
The X20 is one of the first enterprise-grade convertibles to feature Thunderbolt™ 3, accelerating tasks like file-sharing and back-ups.

Toshiba's range of Thunderbolt™ 3 dongles also make it easy to connect – and power – almost anything via a single cable, in the office and on the road.

### Thunderbolt™ 3 highlights:

- » 40GB/sec transfer rates.
- » The ability to daisy chain up to 6 devices from one port.
- » Up to 100 watts of power to run external devices.
- » The ability to run two separate 4K monitors at a flicker-free 60 Hz.
- » Backwards compatibility with DVI, HDMI and VGA via adapters.

## EXPAND THE X20 INTO A HIGH-END WORKSTATION.



Power users can, via the X20's Thunderbolt™ 3 port, daisy chain an external GPU and a high speed external RAID enclosure for massive external storage, providing the capability for highly demanding tasks.

- » Connect two 4K screens and the X20 can become the hub in an engineering or financial modelling setup.

### Cost and convenience tips

1. Fit one **Thunderbolt™ 3** adapter to each screen or projector in your organisation. Then every X20 user can connect – no need for individual adapters.



2. An Ethernet dongle makes it easy for the IT team to load the SOE.

- » Add a set of high-end speakers and the X20 can be the core of a video editing suite.

That makes one serious workstation. But unlike most workstations, the X20 is a high performance convertible that lets users unplug and take their work on the road.

## BOOST PRODUCTIVITY WITH THE DIGITIZER PEN.

Pen and paper is a fundamentally inefficient tool. Handwritten notes are tedious to file and share, and easily lost.

On the other hand, keyboards force people to work in ways that may not suit them, the type of work they're doing or the occasion (the distracting clatter of keyboards in a meeting comes to mind).

Digital ink changes everything, giving employees the ability to choose the most efficient way to work at any moment.

This is particularly important in specialised roles:

### Executives & managers

The X20 helps executives and managers capture thoughts, take notes, sketch flow charts, comment on documents and annotate presentations live, while they're on their feet.

### Technical users

The X20 lets technical users draw diagrams, produce plans and work fluently with the specialised notation used in mathematics, finance, engineering and science.

### Creative users

The X20 makes it easy for creative users to capture ideas, sketch concepts, draw and colour detailed designs and tweak and polish artwork and imagery.

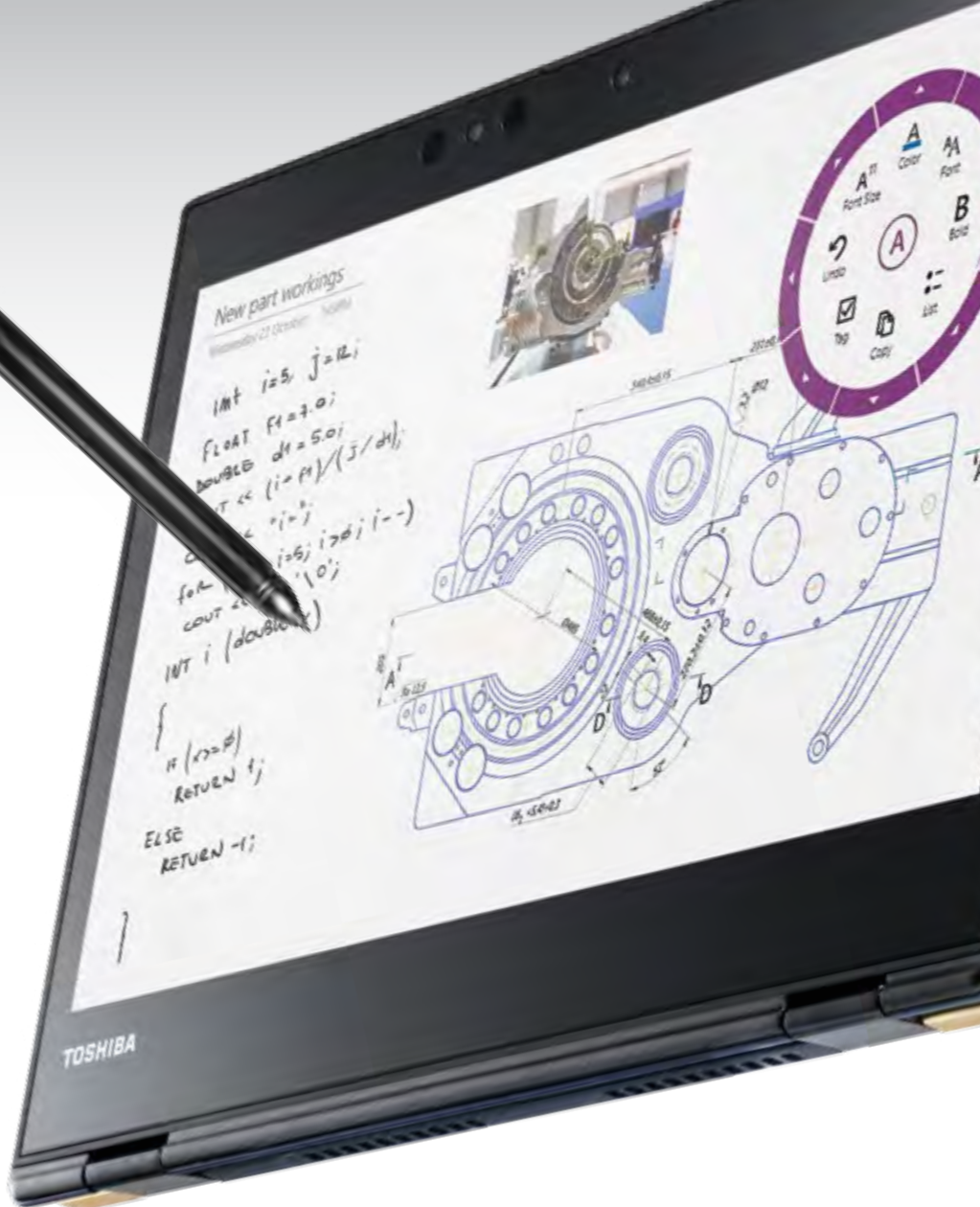
### Admin sales & field staff

The X20 can help replace paper-based systems, enabling staff to take orders, tick-off checklists, fill in forms and upload data directly into a centralised database.

## WACOM TECHNOLOGY PROVIDES PRO-GRADE PRECISION.

Toshiba's TruPen™ with Wacom® Feel is sensitive to 2,048 levels of pressure. It actively interacts with the full HD screen to deliver pro-grade precision. Palm detection technology ignores unwanted touch commands when the pen is in use,

making note-taking, sketching and drawing feel completely natural. The accuracy of the digitizer and the on-board processing power also enable the X20 to convert handwritten notes to text.





## UNRIVALLED LEVELS OF SECURITY BUILT-IN AT THE BIOS LEVEL.

Unlike many vendors, Toshiba does not use a standard BIOS on its enterprise-grade notebooks. Instead, the X20 has a Toshiba-developed BIOS to launch and control the major hardware elements and interface with the operating system. This has important consequences:

- » The X20's BIOS is resistant to attack because its specification is proprietary and unique to the device.

- » Toshiba's BIOS self-checks at start-up to see whether the code itself has been tampered with.

- » Toshiba adds component control and security functions to the BIOS to protect IDs and passwords, including user authentication via the TPM chip, hard disk encryption and more.

In an environment where organisations face escalating threats, the X20's proprietary BIOS provides an additional layer of security at the system level.

## AN INSIGHT INTO THE ENGINEERING INSIDE THE X20.

Many of the X20's best features are hidden within the magnesium-alloy case. One example: a ground-breaking heat management system made possible by physics and a new fan design.

The more powerful the processor, the more heat it produces. So thermal management is one of the great challenges of notebook design. To enable the X20 to run full voltage 7th Generation Intel® Core™ i5 and i7 processors, Toshiba's engineers had to solve the problem of removing the heat while working within the confines of the incredibly slim design.

The engineers turned to physics, running computer simulations of heat and air flow. They saw an

opportunity to exploit Bernoulli's Principle using two air entry points. To achieve this, they developed a new fan that is only 3.7 mm thin, a technical challenge met by adapting the proven, highly durable bearings used in hard disk drives (Toshiba is one of the world's largest manufacturers of high speed drives).

This combination helps eliminate heat much more efficiently, allowing the X20 to run reliably at high speeds without excessive battery usage.



# FLEET-FRIENDLY FEATURES FOR I.T. MANAGERS AND SMALL BUSINESS OWNERS.

To help boost reliability, durability is built in.

Like all of Toshiba's business class devices, the X20 is designed for reliability. Toshiba's HALT testing process compresses the stresses of a lifetime into a few days, including rapid temperature changes from extreme heat to extreme cold and back again. New models are also exposed to vibration, drop, impact and compression tests during the design phase. This means devices like the X20 are released ready for the road.



Full, in-country product support helps keep users up and running.

If support is required, the X20 is backed by Toshiba's 3-year manufacturer warranty, an in-country national service network and a \$10 million in-country spare parts stockpile to help minimise turnaround times.

Streamline the deployment of your X20 fleet with Toshiba's online SOE setup.

Toshiba's Laptop Builder website helps IT professionals build and optimise your organisation's standard software environment (SOE) for the X20. This can then be deployed via your network. Doing it this way speeds up fleet rollouts, simplifies support and helps improve security because every X20 user has the same approved software package.

Advanced management features are good for productivity.

The X20 has advanced remote management features built-in. This enables IT departments to monitor, maintain, repair, update and upgrade machines remotely. This helps staff who are working at home, out selling or interstate to stay productive. Intel® vPro™ is also available in selected models.

## TOSHIBA IS ONE OF THE WORLD'S LARGEST AND MOST INNOVATIVE COMPANIES.

Toshiba is the company that invented the world's first notebook computer, back in 1985. But Toshiba's origins go back much further.

Toshiba is Seriously Japanese, formed from the merger of two highly innovative companies.

One was founded in 1875 by Tanaka Hisashige, a famed inventor and engineer who was known as the genius of mechanical wonders.

The other was started by Ichisuke Fujioka, regarded in his day as Japan's Edison.

Thanks to its founders, Toshiba has innovation in its DNA. Today, Toshiba remains one of the world's most innovative companies, earning over 27,000 patents in the past 30 years alone.



## WHEN IT COMES TO NEW TECHNOLOGY, MICROSOFT AND INTEL OFTEN TURN TO TOSHIBA.

Toshiba has a history of firsts in mobile computing. The company also designs, develops and manufactures its devices in-house.

As a result, both Microsoft and Intel turn to Toshiba to develop next-generation devices to test and refine new processors and software.

**"We have worked with Toshiba for three decades on many projects and the X20 is a testament to the organisation's ingenuity when it comes to mobile computing."**

**Peter Han**

Vice President of Partner Devices and Solutions, Microsoft USA





# A LOCAL COMMITMENT TO GOVERNMENT, EDUCATION AND BUSINESS CUSTOMERS.

Within Australia and New Zealand, the team at Toshiba works closely with governments, the education sector and organisations of all sizes across a wide range of industries and end-users. Toshiba's team is highly experienced and well qualified to help with:

- » Pre-sale product insights and technical support.
- » Technical trials, product testing and certification procedures.
- » Bundled packages of accessories and support upgrades.
- » Hardware, software, network and security matters.
- » Device configuration and pre-loading SOEs.
- » Large scale and wide-area deployments.
- » Device buybacks.

## FOR MORE INFORMATION, PLEASE CONTACT:

### AUSTRALIA

1300 307 055

[www.mytoshiba.com.au](http://www.mytoshiba.com.au)

### New South Wales

Enzo Torrillo

+ 61 4 10 388 988

[ETorrillo@Toshiba-TAP.com](mailto:ETorrillo@Toshiba-TAP.com)

### New South Wales

Gary Lawrence

+ 61 4 39 417 226

[GLawrence@Toshiba-TAP.com](mailto:GLawrence@Toshiba-TAP.com)

### Queensland

Phil Rayner

+ 61 4 13 488 331

[PRayner@Toshiba-TAP.com](mailto:PRayner@Toshiba-TAP.com)

### Victoria

Steve Kotarski

+ 61 4 19 255 048

[SKotarski@Toshiba-TAP.com](mailto:SKotarski@Toshiba-TAP.com)

### South Australia

Brad Lewis

+ 61 4 38 822 696

[BLewis@Toshiba-TAP.com](mailto:BLewis@Toshiba-TAP.com)

### Western Australia

Daniel Murdock

+ 61 4 09 132 921

[DMurdock@Toshiba-TAP.com](mailto:DMurdock@Toshiba-TAP.com)

### NEW ZEALAND

+64 9 526 7730

[www.mytoshiba.co.nz](http://www.mytoshiba.co.nz)

### Auckland

Alan Reelick

+ 64 27 403 2382

[AReelick@Toshiba-TAP.com](mailto:AReelick@Toshiba-TAP.com)

### Wellington

Leigh McPearson

+ 64 21 406 990

[LMcPearson@Toshiba-TAP.com](mailto:LMcPearson@Toshiba-TAP.com)



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Leading Innovation >>>