ASUS BR1100

The best laptop for
primary school learning

Firm, full-featured power for learning

The best laptop for learning should be durable and portable, given the many instances of moving from classroom to classroom, as well as home and other learning locations. It should also be easy to maintain and repair, in the event that something does get damaged. Introducing the ASUS BR1100 – with all of the above and more. With a steel frame, a scratch-resistant finish and a spill-resistant keyboard, ASUS BR1100 is built to withstand the rigors of daily school life.

In spite of its tough exterior and interior, the ASUS BR1100 series is surprisingly compact and weighs in from 1.26kg. And because it runs on Windows 10, you get all of the benefits of secure connectivity, flexibility and productivity.

There are two configurations to choose from – a traditional clamshell with a fold-flat display that can be opened to 180° (BR1100CKA) or a flip version (BR1100FKA) boasting a full 360° hinged display + dual cameras.

All-round protection

A lot has gone into the design of the ASUS BR1100 to help it withstand the hard knocks of daily school life, making it one of the toughest laptops around.

Dense rubber bumpers surround the lid and keyboard sections to dampen or absorb knocks.

Student friendly design

The lid surface and undersides of the laptop have a 3D-textured, scratch-resistant finish that also looks great and improves grip.

The keyboard offers a certified 10,000,000 keystroke lifespan and spill-resistance against up to 330 cc of liquid.

An anti-loosening LVDS cable design ensures stable and durable cable connection that prevents loosening caused by shock and vibration.

I/O ports reinforced with steel brackets bolster durability.

Each corner has reinforced structures which absorb hard impacts.

The lid is mounted on a hinge connected to steel brackets that ensure strength and reliability.

Rubber bar at the bottom provides sturdy support for easier grip while carrying.

US MILITARY GRADE
MIL-STD 810G
Multiple Tests Passed

Military-Grade Reliability

Rigorously tested to comply with demanding military-grade MIL-STD-810H durability standards, the ASUS BR1100 has also been torture-tested to exceed these standards, giving educators and parents peace of mind.

Drop Test
120 cm drop height with power on to mimic desk accidents

Port Durability Test
Tested 5,000 times to ensure the physical durability of I/O ports

Twist Test
50,000 twisting tests to ensure chassis rigidity

Hinge Test
Up to 30,000 open-and-close cycles tests

Panel Pressure Test
28 kg force on lid and bottom without damage

Spill-resistant Test
It can repel up to 330 cc without harm

Keyboard Durability Test
Up to 10,000,000 keystroke lifespan

Multi-touch display with a caring eye

ASUS BR1100FKA features an 11.6-inch HD touchscreen display with 1366 x 768 resolution and wide 178° viewing angles. The display also features Low Blue Light mode and Anti-Flicker technology (Direct Current mode) and has passed TÜV Rheinland Eye Care certification. These features can greatly reduce harmful effects of blue light and display blinking.

Garaged stylus pen

ASUS BR1100FKA has an optional active stylus accessory that supports 4096 levels of pressure sensitivity and MPP 2.0, allowing students to really let their creativity flow and help teach them traditional writing skills.

Being garaged means it's always at hand thus minimizing the chance of it being lost or misplaced. It's also quick to charge, with a 15-second stay in the garage providing enough capacitance for 45 minutes of use.

In addition, above the keyboard of the ASUS BR1100FKA is a camera that supports 1.3 million pixels. When the laptop is used in tablet mode, students can use it to record content.

Optimised remote and outdoor learning

To provide students with a more rewarding remote learning experience, the ASUS BR1100 not only provides a HD camera with a webcam shield, but also adds 3D Noise Reduction technology and AI Noise-Canceling to improve video image quality as well as filter background noise. Plus, with optional Wi-Fi 6 and 4G LTE wireless technology, students can now learn from anywhere.

AI Noise-Canceling Technology

ClearVoice Mic
Enhances speech, reduces background noise

AI-Trained
Noise reduction technology

ClearVoice Speaker
Filter ambient noise from remote audio

Voice quality is important for clear communication. With the new ASUS BR1100 featuring the latest AI Noise-Canceling technology, students can now communicate clearly in any scenario. The AI Noise-Canceling Mic function page also allows students to select from one of four modes: Normal, Balance, Single presenter or Multi-presenter.

In Single Presenter mode, all ambient noise except human voices are filtered out. In Multi-Presenter mode, the system normalizes individual voices from different positions or distances, so that all voices are conveyed at a similar volume. The AI Noise-Canceling Speaker function filters out all ambient noise except human voices, so that students can hear and record more clearly — even if background noise is present.
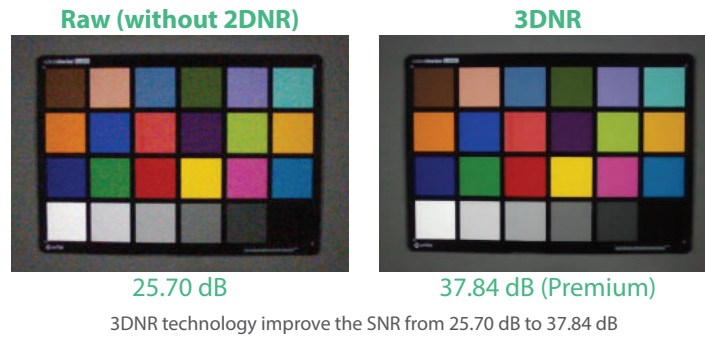
SPECIFICATIONS | BR1100F

Model	BR1100FKA
CPU	Intel® Celeron® N4500 Processor 1.1 GHz (4 MB Cache, up to 2.8 GHz, 2 cores)
Operating System	Windows 10 Pro (ASUS recommends Windows 10 Pro)
Memory	DDR4 4 GB 2400 MHz on board (dual channel support)
Memory Slot	N/A
SSD	Onboard 128 GB eMMC
HDD	N/A
Display	11.6" LED backlit, HD (1366 x 768) 16:9 IPS glossy panel, 250 nits brightness, 63% screen-to-body ratio
GPU	Intel® UHD Graphics
Interface	1 x 3.5 mm Combo Audio Jack 1 x DC-in 1 x HDMI 1.4 1 x RJ45 Gigabit Ethernet 1 x USB 2.0 Type-A 1 x USB 3.2 Gen 1 Type-A 1 x USB 3.2 Gen 2 Type-C® with power delivery support MicroSD card reader (optional)[3] Stylus (optional)
Video Camera	720p HD camera with microphone ; 13.0 MP world-facing camera
Wireless	Dual-band 2x2 WiFi 5 (802.11ac) + Bluetooth® 5.0
LAN	10/100/1000 Mbps
Audio	AI Noise-Canceling Technology 2 integrated stereo speakers Array microphone with Cortana voice-recognition support
Weight	1.40 kg with 42 W battery
Dimension	29.46 x 20.49 x 1.99 cm
Battery	42 Wh, 3S1P, 3-cell Li-ion
AC Adapter	USB-C®, 45 W AC adapter, Output: 15 V DC, 3 A, 45 W, Input: 100~240 V AC 50/60 Hz universal ø4.0, 45W AC adapter, Output: 19 V DC, 2.37 A, 45 W, Input: 100~240 V AC 50/60 Hz universal
Keyboard	Full-size, spill-resistant, with 1.35 mm key travel 'chiclet' keyboard
Security	TPM 2.0 (Optional) / Webcam Shield / Kensington Lock slot
Manageability	ASUS Control Center / ASUS Business Manager / MyASUS
Certificates	Energy star, EPEAT Gold, RoHS, FCC Compliance, BSMI, CCC, CB

1. Actual battery life may vary depending on product configuration, usage, operational conditions and power management settings. Battery life will decrease over the lifetime of the battery.

3D Noise-Reduction Technology (3DNR)

The ASUS BR1100 webcam benefits from innovative 3D Noise-Reduction (3DNR) technology. This helps reduce random noise that natuarally affects any camera, especially in low-light conditions - significantly improving image quality without compromising detail.

Raw (without 2DNR)   **3DNR**

25.70 dB   37.84 dB (Premium)

3DNR technology improve the SNR from 25.70 dB to 37.84 dB

HD Camera with webcam shield

ASUS BR1100 series is equipped with an HD webcam on the top of the display, and there is a physical shutter on the webcam to ensure privacy.

Independent mute key

The ASUS BR1100 keyboard also includes a mute function key that allows students to quickly disable the microphone.
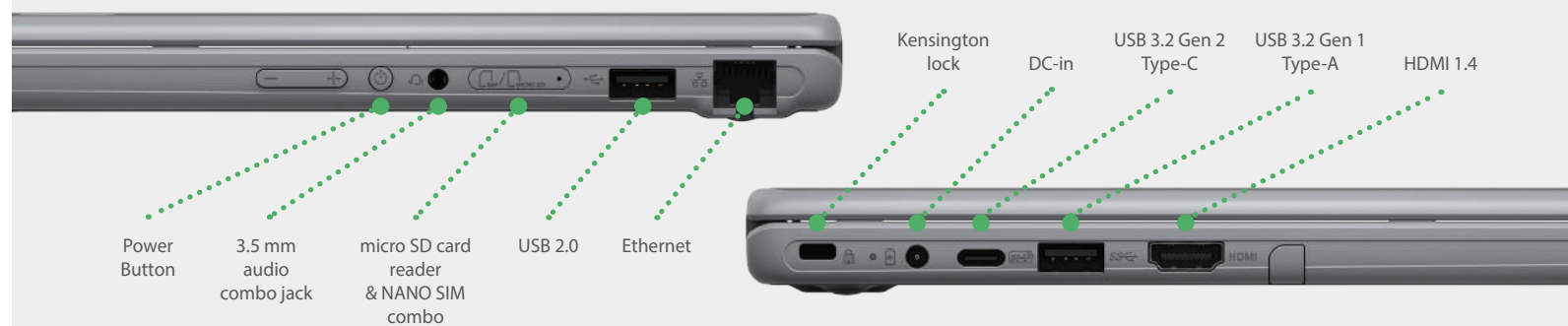
Good to go LED indicator

A bright LED indicator integrated into the top cover enables educators to see at a glance if a particular student's laptop has connectivity or power problems – giving teachers a heads up whenever a student might require assistance.

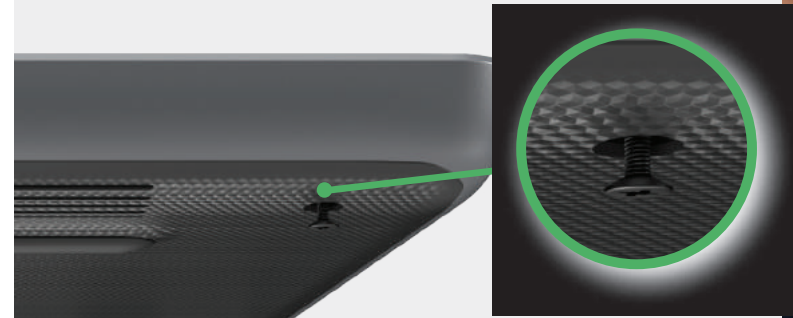| On	Normal operation
Slow blinking	Less than 20% battery power remaining
Fast blinking	No Wi-Fi or 4G connection

Comprehensive Ports

The ASUS BR1100 is a compact laptop with an 11.6-inch screen and it has useful ports that allow it to connect to any device. Highlights include a full-sized HDMI port that enable connection to virtually any projector or flat screen TV. It also has one standard USB 3.2 Gen 1 Type-A port and one USB 3.2 Gen 2 Type-C port for data transfer and power delivery.

Kensington lock   DC-in   USB 3.2 Gen 2 Type-C   USB 3.2 Gen 1 Type-A   HDMI 1.4

Power Button   3.5 mm audio combo jack   micro SD card reader & NANO SIM combo   USB 2.0   Ethernet
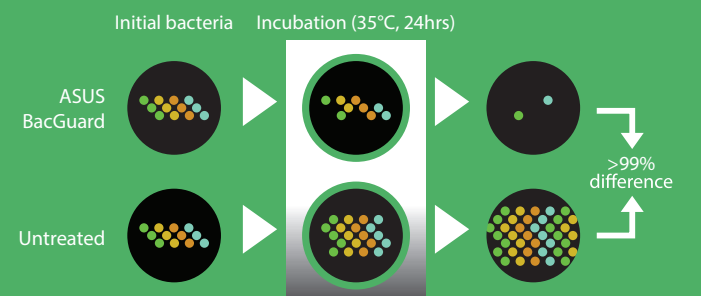
Modular Design

Ideal for IT departments, the ASUS BR1100 series features a unique modular design as well as anti-falling screws, enabling upgrades and repairs to be carried out with ease.

ASUS BacGuard

To promote health and hygiene in a post-pandemic environment, ASUS has added a special new BacGuard antibacterial coating to BR1100 keyboard. This antibacterial coating integrates silver ions components which will combine with the negative ions of the bacteria, thereby destroying the structure of the bacterial cell membrane or cell wall, thus preventing propagation. This coating design has also passed the ISO22196 test certification, with an antibacterial effect as high as 99%.

*ASUS BacGuard is tested by an independent third-party laboratory according to the ISO 22196 standard (measurement of antibacterial activity on plastics and other non-porous surfaces), using bacterial cultures that include Escherichia coli and Staphylococcus aureus, with an antibacterial activity (R) result of R > 2. R = 2 indicates a 99% reduction in bacterial activity compared to an untreated surface. *ASUS BacGuard antibacterial treatment is registered by the U.S. EPA and authorized under EU BPR.

Initial bacteria   Incubation (35℃, 24hrs)

ASUS BacGuard

Untreated

>99% difference

Long Battery Life for All-Day Use

The ASUS BR1100 series is available with a 42-watt-hour battery that offers an incredible battery life of up to 10 hours*, allowing students to work an entire day without charging.

* Battery tests conducted by ASUS on December 18, 2020 using the 1080p Video Playback scenario. Battery life test configuration: BR1100F, Intel® Celeron N4500, 4GB RAM, HD display, 64G eMMC+ 256G SSD, 42Whr. Test settings: Wi-Fi flight mode, the display brightness set to 150 cd/m2. Actual battery life may vary depending on product configuration, usage, operational conditions and power management settings. Battery life will decrease over the lifetime of the battery.