CTOUCH RIVA R2

Behind every great teacher is a great touchscreen. The CTOUCH RIVA R2 is that touchscreen.

Engage and inspire students with our all-purpose, intuitive education technology tool. Make your lessons come alive!

Share, inspire, have fun!
With CTOUCH by your side.

CTOUCH®

All good things come in twos

The CTOUCH Riva 2 is available in two models: the CTOUCH Riva R2 and the CTOUCH Riva D2.

The CTOUCH Riva R2 is a state-of-the-art education technology solution, the perfect companion to the most modern of classrooms. The CTOUCH Riva D2 is the best choice for schools looking for a cost-effective teaching tool.

The teacher-friendly touchscreens offer a smooth writing experience, rich sound and the compatibility to run all different brands of teaching software. Both models are enrollable in the CTOUCH Heartbeat As-A-Service programme, providing a lifetime of safe and supported touchscreen usage. So that leaves you with just one choice: do you want the best or the very best? You decide.

FEATURES	RIVA R2	RIVA D2
Video input (digital)	2x USB-C with 1x 100W charging	2x USB-C with 1x Front USB-C with 65W charging
Video output (digital)	1x HDMI-out, 1x USB-C out	1x HDMI-out
Touch system	TrueBeam Touch+	TrueBeam Touch+
Glass Type	Zero air gap. Triple S glass (Smooth, Stripeless, Safety glass)	Zero air gap. Anti glare Safety glass
Wi-Fi	Built-in WiFi 6	Built-in WiFi 6
Microphone	Built-in 4 array microphone	Built-in 4 array microphone
Sound transducers	80W JBL® immersive audio	50W audio
COStm system version	Android 13 (with future Android upgrades for security) 8 Core High Performance CPU, RAM 8GB/64GB Storage	Android 13 (with future Android upgrades for security) 4 Core High Performance CPU, RAM 4GB/32GB Storage
Energy saving measures	Eco mode (default) & smart on/off	Eco mode (default)
Optional modules	Optional modules possible: Fingerprint scanner, NFC Reader	No optional modules possible
Sizes	Available in 55", 65", 75", 86"	Available in 65", 75", 86"
Accessories included	USB-C cable, HDMI cable, Touch out cable	HDMI cable, Touch out cable

The best handwriting experience, hands down

To achieve the most accurate handwriting experience, Riva R2 and D2 combine zero air gap with the unique TrueBeam Touch+ technology. Want to keep your touchscreen squeaky clean, lesson after lesson? The Triple S Glass on the Riva R2 is your friend.

Enjoy crisp audio in all corners of the classroom

Whether it's watching a film with your students or having a pupil join classes remotely, the powerful speakers will ensure the sound easily reaches even the farthest corner of the classroom.

ESharing is caring

Inviting up to 50 students to join a teaching session has never been easier, thanks to the preinstalled full licensed version of EShare on both Riva R2 and Riva D2. Pupils can instantly share their Windows, Android or Apple device wirelessly to the touchscreen.

Save Watts and Watts of money

Schools are not made of money. To combat high energy prices, both R2 and D2 have low energy consumption – in fact, one of the lowest in the market! Furthermore, CTOUCH Riva R2 comes equipped with smart on/off. This technology causes the touchscreen to only use energy when really needed. R2 starts up when someone enters the classroom and shuts down when no person is detected for a period of time.

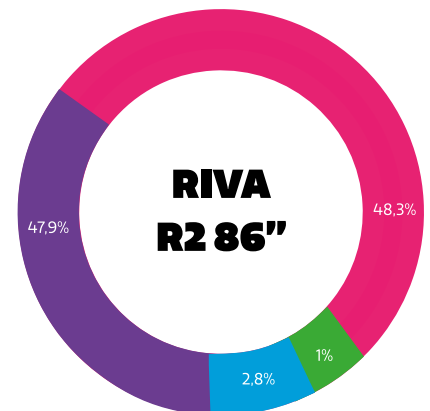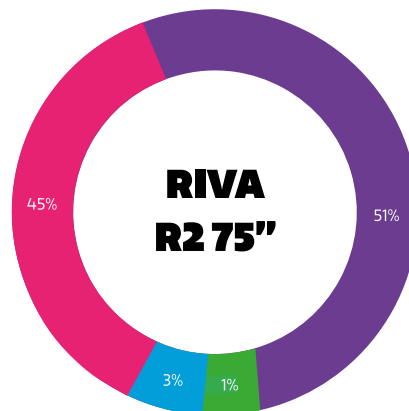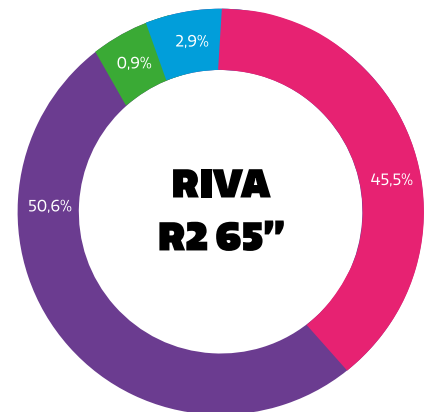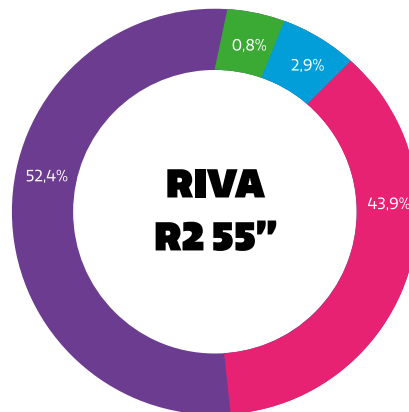|			
POWERFUL ANDROID TECHNOLOGY	**EASY WIRELESS SHARING**	**PERFECT WRITING EXPERIENCE**	**CRYSTAL-CLEAR SOUND**

RIVA R2 and its product footprint

The product impact is calculcated using the EU Product Environmental Footprint method (PEF).

- ● Manufacturing
- ● Transportation
- ● Use
- ● End-of-life

RIVA R2 55"
- 52,4%
- 43,9%
- 0,8%
- 2,9%

RIVA R2 65"
- 50,6%
- 45,5%
- 0,9%
- 2,9%

RIVA R2 75"
- 51%
- 45%
- 3%
- 1%

RIVA R2 86"
- 47,9%
- 48,3%
- 2,8%
- 1%

SUSTAINABILITY

Product compliance	CE, UKCA, FCC, RED, UKCA-RED, EU Ecodesign, RoHS & REACH, Energy Star
E-waste compliance	WEEE, WEEEBALEX certified partners
ISO standards	9001, 14001, 14064, 14040, 14044, 14020, 14021
Accounting standards	Greenhouse Gas Protocol (GHG Protocol)
Corporate credentials	EcoVadis Gold, Science Based Targets initiative (SBTi)
Sustainability passport	Sustainability Passport available, providing insight into the materials used and the overall CO2 impact.
Product lifetime	Up to 10 years
Recyclability	88% recyclability of materials
Fair supply chain	Responsible mining, no conflict materials, no slavery and child labour

ADDITIONAL SUSTAINABILITY PROGRAMMES

Take-back programme	Free take-back programme for used CTOUCH screens, responsible recycling and disposal
Next Life Programme	Repurposing and selling refurbished touchscreens; extends lifespan and promotes circular economy
Product lifetime extension	Upgradable to future Android versions

DISPLAY SIZE	55"	65"	75"	86"
CTOUCH model	**Riva R2**			
Product number	**10052755**	**10052765**	**10052775**	**10052786**
Model number	CR-55X05	CR-65X05	CR-75X05	CR-86X05
Diagonal size	54.64" (1.388 mm)	64.53" (1.639 mm)	74.52" (1.893 mm)	85.6" (2.174 mm)
Panel technology	TFT LCD			
Display resolution (px)	3.840 x 2.160			
Frame rate	60 Hz			
Brightness	400 cd/m²			
Aspect ratio	16:9			
Contrast ratio (static)	1.200:1			
Contrast ratio (dynamic)	5.000:1			
Response time (gray to gray)	8 ms			
Display colours	1.07 Billion (eq. 10 bits)			
Pixel pitch (W x H) mm	0.315 x 0.315	0.372 x 0.372	0.42975 x 0.42975	0.4935 x 0.4935
Viewing angle	178" / 178"			
Backlight type	Direct LED			
Service life	> 50.000 hours (16/7)			
Orientation	Landscape			

TOUCH SYSTEM

Touch system	TrueBeam Touch+
Touch points	40 on Windows, 20 on Android
Touch tools	hands or other solid (soft tip) object
Accuracy	±1 mm
Minimum response size	> 1,5 mm
Touch resolution	32.768 x 32.768 (pixels)
Interface	USB 2.0 compatible (full speed) HID complaint, Plug & Play compatible. Backwards compatible with USB 1.1
Supported OS	Windows, macOS, Chrome, Linux and Android
	Not required for 40 touch points (under Windows), macOS requires a driver for gestures

GLASS

Glass	Triple 5 Glass (Smooth, Stripeless, Safety)
Type	heat tempered, anti glare, safety glass
	Zero air-gap
Thickness	3 mm
Hardness	7 Mohs

CONNECTIVITY	55"	65"	75"	86"
CTOUCH model	**Riva R2**			
Video input (digital)	3x HDMI 2.0 (1x ARC), 1x DP 1.2, 2x USB–C 3.2			
	Gen 1x1 (1x100W, 1x15W)			
Video output (digital)	1x HDMI out, 1x USB–C out			
Video input (analog)	1x VGA (including 1x Mini Jack)			
Audio input	1x Mini Jack (dedicated audio source)			
Audio output	1x Mini Jack, 1x S/PDIF Optical			
USB	2x USB 3.0 (type A), 2x USB 2.0 (type A)			
Touch	5x USB (2x USB 3.0 type B, 1x USB 2.0 type B, 2x USB–C)			
RS232C	1x DE–9F			
LAN port	2x RJ45 10/100/1000 BaseT			
WLAN	IEEE 802.11n/ac/ax (Wi–Fi 6)			
Bluetooth	5.2			
Module–slot	1x OPS–slot (UHD@60Hz)			
Dedicated ports, 1X NFC Reader port, 1X Fingerprint scanner port	Optional			

VIDEO	
Eye comfort	blue light filter, eye protection mode
Colour temperature	warm, cool, normal
Picture modes	dynamic, standard, soft, user

SOUND	
Transducers: 2 stereo, 3–way speakers (tweeter, mid–range and woofer)	⊙ **JBL®**
Amplifier power (Watts)	80
Immersive JBL® back to front sound	⊙
Microphone	4–array far field

COS™	55"	65"	75"	86"
CTOUCH model	**Riva R2**			
System version	Android 13 (Android upgrade via OTA)			
Chipset	Rockchip RK3588			
CPU	4x ARM Cortex A76, 4X Cortex A55			
GPU	ARM Mali-G610 MP4			
Memory	8 GB			
On-board storage	64 GB			

OSD	
Languages	Danish, Dutch, English, French, Finnish, German, Norwegian, Spanish, Swedish

POWER				
Power supply	AC 100-240 V 50 / 60 Hz			
Power consumption (in operation)	77W	101W	124W	158W
Power consumption (in standby)	<= 0.5 W			
Ambient light sensor	⊘			
On-board Human Presence Detector	⊘			

QUALITY APPROVALS	
Regulatory approvals	CE, UKCA, FCC, RED, UKCA-RED, EU Ecodesign, RoHS & REACH compliant
Green approval	WEEE
ISO Standard	ISO9001 and ISO14001

PRODUCT ACCESSORIES	
Accessories included	Power cable (3 m), USB touch cable (3 m), HDMI cable (3 m), remote control (incl. batteries) 2 pssive pens, quick start guide & warranty card
	USB-C cable (1 m)

SECURITY	
ISO standards	27001
Independent PEN test	Independent PEN test has been done by Grant Thornton
Security baseline	Security baseline available, providing insight into the security initiatives taken

DIMENSIONS & WEIGHT	55"	65"	75"	86"
CTOUCH model	**Riva R2**			
Product dimensions (W x H x D mm)	1.272 x 761 x 98	1.491 x 885 x 98	1.715 x 1.012 x 98	1.960 x 1.150 x 98
Product weight (kg)	28.3	42.5	52.5	65.5
Vesa mount (W x H mm)	400 x 400 M8 screw	600 x 400 M8 Screw	800 x 600 M8 Screw	800 x 600 M8 Screw

LOGISTICS INFORMATION				
Box size (W x H x D mm)	1.395 x 875 x 230	1.615 x 1.000 x 230	1.839 x 1.127 x 230	2.084 x 1.264 x 220
Gross weight (kg)	34.3	49.9	61.7	76.3
EAN no.:	**8719481481735**	**8719481481742**	**8719481481759**	**8719481481766**