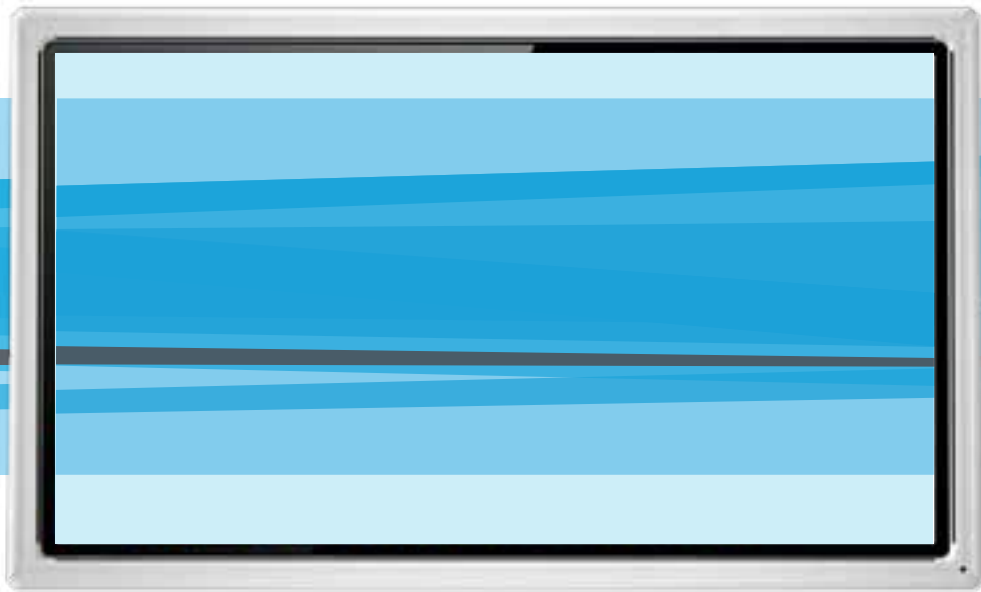


BUSINESS

PRODUCT CATALOG



TRIUMPH BOARD[®]
One Idea Ahead

About us

We are proud of our successes and look forward to surpassing your expectations in the future!

TRIUMPH BOARD is a manufacturer of interactive presentation solutions and audio-visual equipment selling to the Educational and Business sectors across Europe, the Middle East, Africa, North America, Asia and expanding World Wide.

The TRIUMPH BOARD product offering includes interactive LED LCDs, interactive whiteboards, interactive /projectors, Audience Response Systems, Videoconferencing, document cameras, tablets, further allied products and wide range of supporting software.

TRIUMPH BOARD is able to deliver unbeatable interactive solutions, with best in class software on best in class hardware, due to its global partnerships with Microsoft, Intel, Texas Instruments, RM Education, MyScript, DisplayNote and others.

The strategy of combining ISO certified intelligent design and efficient manufacturing in Europe and also Asia enables TRIUMPH BOARD to deliver unbeatable solutions with high "European" quality at unbeatable prices.

No message is complete without a powerful presentation, thus TRIUMPH BOARD has built its business on being "One Idea Ahead" in interactive solutions that meet the evolving needs of users and enable the presenter to perform at the next level! TRIUMPH BOARD products are created to enhance presentation effectiveness in an educational or corporate environment.

TRIUMPH BOARD has developed country partners that enable us to promote, educate and install our product line on local markets with country language support.

Interactive Touch Screens

We have developed a fully integrated, professional solution – the TRIUMPH BOARD MULTI Touch LED LCD Series is an effective presentation tool for showing trainings or presentations interactively in any type of meeting room. The IR LED optical technology provides the ideal multi-touch experience. The optional built-in mini PC with incorporated Intel® Core™ Processors and Microsoft Windows 8.1 Pro (OEM) with a selection of language options and preinstalled applications, delivers top-of-the-line performance. A wide range of accessories such as LiftBoxes or mobile stands makes the solution a zero-compromise!



Interactive Whiteboards

TRIUMPH BOARD offers uniquely cost-effective interactive whiteboard solutions. With the TRIUMPH BOARD interactive whiteboard you will be able to train or present in any meeting rooms. TRIUMPH BOARD 6-touch inputs with IR cell LED Optical technology enables simultaneous collaboration between students using the wide range of included applications.



Interactive Presentation Products

TRIUMPH BOARD provides a range of audio-visual presentation products to suit all types of applications from interactive Ultra Short Throw and Short Throw Projectors, Documents Cameras, Tablets, Audience Response Systems to Videoconferencing.





55" 65" 70" 84" MULTI Touch LED LCD



- Multi-Touch (6/10 touch - inputs)
- 4K / FULL HD resolution
- Android System
- MINI PC build in (optional)
- TRIUMPH CLOUD (USB Bundle Edition) online annotation software
- TRIUMPH CLOUD [My Files](#) cloud data storage
- Display Note collaboration software (cloud)
- MyScript Stylus + Calculator software for handwriting recognition
- RM Easiteach Next Generation educational software

No need for a projector! Easy installation!
No limitations caused by light conditions!
Elegant and stylish appearance.

TRIUMPH BOARD MULTI Touch LED LCDs are fully integrated, professional, multi touch monitors with amazing performance and stunning visuals. TRIUMPH BOARD MULTI Touch LED LCDs are effective presentation tools for showing lessons or presentations interactively in any classroom and meeting room.

MINI PC (optional) for MULTI Touch LED LCD Series

TRIUMPH BOARD MINI PCs are powerful, fully-integrated personal computers for the TRIUMPH BOARD MULTI Touch LED LCD Series with the Android system.

TRIUMPH BOARD MINI PCs are equipped with an Intel® Core™ i7 or i5 processor, Intel® graphics card and up to 8 GB RAM, which gives high power for running any software. An up to 1000 GB hard disk provides sufficient capacity for saving and storing the user's data.

TRIUMPH BOARD MINI PCs include a license of Microsoft® Windows® 8.1 Pro (OEM) with selection of language options and preinstalled applications.

MINI PC PC6A


EAN:	8592580111877		
Processor:	Intel® Core™ i5		
Graphics:	Integrated Intel® HD Graphics		
Sound Card:	Integrated High Definition Audio Stereo		
Networking:	Integrated 10/100/1000 Mbps adapter		
Memory:	4 GB DDRIII		
Hard Drive:	500 GB SATA		
WiFi:	802.11 a/b/g/n, 2x2, dual-band WiFi		
	2,4/5 GHz, Bluetooth 4.0		
USB:	4x USB 2.0 and 2x USB 3.0		
Audio:	Side Headphone and Mic Ports		
Lan Port (RJ45):	1	HDMI Out:	1
VGA Out:	1	Mini Display Port:	1
Operation System:	Microsoft® Windows® 8.1 Professional (OEM) 64-bit MultiLang		


MINI PC PC7A

EAN:	8592580111860		
Processor:	Intel® Core™ i7		
Graphics:	Independent Graphic Card GT745M		
Sound Card:	Integrated High Definition Audio Stereo		
Networking:	Integrated 10/100/1000 Mbps adapter		
Memory:	8 GB DDRIII		
Hard Drive:	1000 GB SATA		
WiFi:	802.11 a/b/g/n, 2x2, dual-band WiFi		
	2,4/5 GHz, Bluetooth 4.0		
USB:	4x USB 2.0 and 2x USB 3.0		
Audio:	Side Headphone and Mic Ports		
Lan Port (RJ45):	1	HDMI Out:	1
VGA Out:	1	Mini Display Port:	1
Operation System:	Microsoft® Windows® 8.1 Professional (OEM) 64-bit MultiLang		



Accessories





wide range of connectivity

Features

- Fully compatible with TRIUMPH BOARD MULTI Touch LED LCD with android system
- Fully integrated solution in a slim design
- Windows® 8.1 Pro (OEM) license
- Ideal product with sufficient power for pre-installed SW bundle of:
DisplayNote, MyScript Stylus, RM Easiteach Next Generation
(license keys are packed with LED LCDs)



Features

- Hard-wearing components
- Simple assembly, quiet operations and easy handling
- No need for maintenance
- Elegant modern design

Specifications

EAN:	8592580082825
Model:	TRIUMPH BOARD Mobile Stand with Electric Lift for LED LCD
Designed for:	MULTI Touch LED LCD Series Series (55"/65"/70"/84")
Stand material:	steel
Assembly:	VESA 400x200, 600x400, 600x200, 300x300, 400x400, 600x600
Lift of Stand:	675 mm
Centre of LED LCD at highest position:	1735 mm
Centre of LED LCD at lowest position:	1060 mm
Maximum Load:	130 kg
Control unit:	Panel with connectors, switch, IEC C22, cable intake
Power source:	Power source: 110 / 230 VAC
Dimensions without packaging :	1385 x 688 x 710 mm
Weight without packaging:	49 kg
Weight with packaging:	52 kg
Accessories (optional):	Pen Tray for Mobile Stand with Electric Lift for LED LCD Laptop Tray for Mobile Stand with Electric Lift for LED LCD

Mobile Stand with Electric Lift for LED LCD

The TRIUMPH BOARD Mobile Stand for the TRIUMPH BOARD MULTI Touch LED LCD Series has an Electric Lift to change the height over a range of 67,5 cm.



TRIUMPH BOARD Mobile Stand with Electric Lift is designed to provide a high level of comfort as well as the quiet and smooth attachment of LED LCD for the entire period of the product's lifespan.

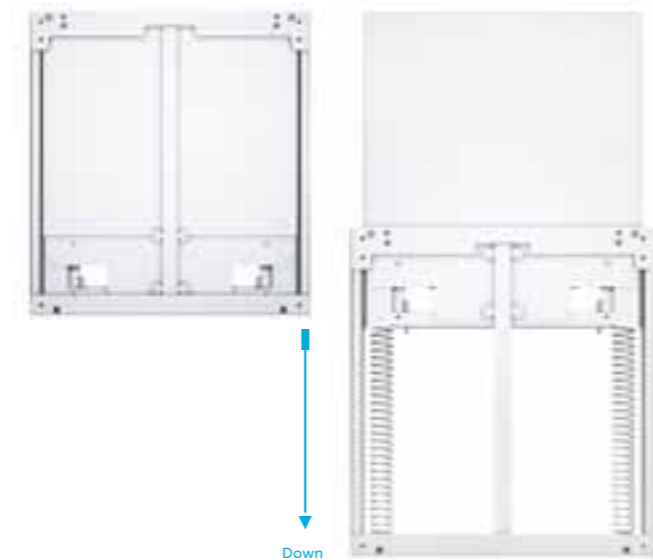


Stands

LiftBox for LED LCDs

The TRIUMPH BOARD LiftBox for LED LCDs is the perfect and easy solution to move TRIUMPH BOARD LED LCDs up and down, without electric power.

The partially overlapping weight range gives the installer the choice between a models travel of 400 mm and 650 mm. All LiftBox models offer a wide range of accessories and come in a compact and stylish white design that is hidden behind the screen.



Mobile Stand for LiftBox

The TRIUMPH BOARD Mobile Stand for LiftBox has an assembly hitch for easily adding LED LCDs (55"/65"/70").

The Stand also comes with wheels for easy movement, which can be easily blocked to stop the Stand moving.

The TRIUMPH BOARD Mobile Stand for the LiftBox is designed to provide a high level of convenience as well as smooth attachment of LED LCD throughout its lifespan.



Tilt Frame for LiftBox for 55" LED LCD

Tilt Frame for the TRIUMPH BOARD LiftBox for 55" LED LCDs allows you to tilt out the 55" MULTI Touch LED LCD by 60 degrees.

Tilt Frame is perfect and easy solution that helps you to interface with the screen as well as collaborate with colleagues together on one screen.

Tilt Frame is optional accessories to TRIUMPH BOARD LiftBox for 55" LED LCDs.



Features

- Ergonomic and easy to use
- Quality product, safe to use
- Compact design - product disappears behind the screen
- Long product lifetime
- Fast and easy installation, maintenance-free
- Low transport and installation cost



Features

- Full HD video & HD content sharing
- One-touch recording
- High definition (88° FOV) camera
- High-efficiency lost packet recovery technology
- Handy integration & remote access tools
- Microphone array advanced audio processing technology

Specifications

EAN:	8592580082429
Model:	TRIUMH BOARD Video Conferencing System VC1
Accessories in the box:	Main system unit (codec), HD camera, microphone array, IR remote control with batteries, power supply, cables, warranty card, quick installation card
Communications:	H.323 and SIP standards, 128Kbps~4Mbps, RJ45 network LAN (10/100/1000), manual bandwidth settings
Camera:	Support for single camera HD fixed focus camera: 2-megapixel CMOS sensor, 4X digital zoom, ±100° pan; ±25° tilt, 88° FOV
People video resolutions:	HD1080p (1920 x 1080), HD720p (1280 x 720), 480p (848 x 480), 4SIF (704 x 480), 4CIF (704 x 576), WCIF (512 x 288), SIF (352 x 240), CIF (352 x 288), all resolutions at 30fps
Content video resolutions:	WSXGA (1440 x 900), HD (1360 x 768), SXGA (1280 x 1024), SXGA (1280 x 960), WXGA (1280 x 800), HD720p (1280 x 720), XGA (1024 x 768), SVGA (800 x 600), VGA (640 x 480) Output resolutions: HD720p (1280 x 720) up to 30fps
User interface:	Supports single and dual monitor display, multiple layout styles, user-friendly OSD (27 supported languages)
Power supply:	AC 100V~240V, 50/60Hz, consumption: EIAJ 12V, 4A
Packaging dimensions :	330 x 230 x 265 mm / 3,7 kg

Video Conferencing System VC1

The TRIUMPH BOARD Video Conferencing System VC1 provides uniquely cost-effective real-time full HD video streaming and HD real-time content sharing with recording capability.



Wide-angle Full HD camera ensures no one is left out of the shot, a sophisticated audio processing technology microphone array produces true-to-life sound, a sleek and a compact system design enables easy integration with TRIUMPH BOARD LED LCD Series for an advanced total solution.

Software

TRIUMPH CLOUD

Online Annotation



TRIUMPH CLOUD is unique online annotation software that runs on all interactive whiteboards, interactive LED LCDs, interactive projectors, tablets and other systems using latest web technologies. TRIUMPH CLOUD can always be used at any place and with any hardware and operating system (Windows, MAC OS, iOS, Android, Linux, Chrome OS, any...).

- Online (browser based)
- Hardware – independent
- No installation and automatic updates
- Latest technology
- Automatic data saving in the cloud ([my files](#))
- Ease of use, mobile content
- Networking and collaboration
- Localized into 27 languages

www.triumphcloud.com

www.triumphcloud.com/myfiles

TRIUMPH CLOUD LOCAL

Virtual Server



A solution for a local TRIUMPH CLOUD installation with high security operating the data on data centers at customer site.

- Perfect for all corporate, governmental or even educational environments
- Virtual Machines based on VMware Technology - can be easily integrated in the IT infrastructure
- Web interface for administrate basic server function and manage the TRIUMPH CLOUD Application
- Software Maintenance & Support
- Modules (Linux Distribution):
 - EC-Tools Server
 - Apache - Web Server (The TRIUMPH CLOUD App)
 - mysql Database server
 - node Server (runs the collaboration)

MyScript Stylus

Handwriting recognition

MyScript Stylus converts your natural handwriting into digital text in real time and provides the highest recognition accuracy rate on the market.

- Includes Calculator – enables the solution of mathematical equations, conversion of symbols and digits and gives results in real time
- Highest accuracy on the market with consistent quality for all languages
- Recognition of all kinds of writing styles
- Largest language coverage: recognition of 61 languages using the following alphabets or ideograms: Arabic, Chinese, Cyrillic, Greek, Hebrew, Japanese, Korean, Latin

Display Note

Collaboration

With Display Note you can capture the presenter's notes, slides, images and video in real-time on your own device. You can add your own notes and work together in real-time collaboration.

- Works on almost any device and across all the major platforms (Windows, Android, iOS and Mac OS)
- Add written notes, post-its and references to any slide, image and video
- Share annotations with the presenter and other connected student devices
- Send private messages - the presenter can send and receive private messages to one or more participants
- Display Note lets presenters and the audience connect like never before and on the platform / device that suits them



Share what's on your screen & collaborate with multiple devices, whether they're in the same room or anywhere in the world.



Interactive Whiteboards

MULTI Touch Series 78" / 89"



Interactive whiteboards with a ceramic steel surface and slim design

- IR Cell LED optical technology
- Windows, Mac and Linux compatible
- Connection to any computer via USB
- 6-touch input

- Low glare porcelain enameled e3 steel surface
- Ecological, antibacterial and anti-vandal with cradle to cradle certification surface
- Multipurpose – allows the use of traditional dry erase markers
- Hotkey strips for software tools shortcuts

- TRIUMPH CLOUD (USB Bundle Edition) online annotation software
- TRIUMPH CLOUD My Files cloud data storage
- DisplayNote collaboration software (cloud)
- MyScript Stylus + Calculator software for handwriting recognition





Accessories

MT Speakers



40W sound bars for MULTI Touch interactive whiteboards

- LINE IN/ AUX IN/ MIC IN, Card player, USB player
- 3.5 m audio jack from PC to speakers
- 3 m distance Remote Control
- 1x SD card slot
- 1x USB output port
- Integrated control panel

Document Camera A405



The ideal tool for image capturing and video recording

- Resolution 5 Mpx
- Scans documents & 3D objects
- Records high resolution videos
- Plug-n-Play USB 2.0
- 14 LED lights for lighting performance
- Software ArcSoft Medialmpression HD and ABBYY FineReader Sprint

Stands

LiftBox



The LiftBox for IWB's is the most reliable and stable product on the market for high-low adjustment (400 and 650 mm) for whiteboards and projectors without electric power.

With a total weight capacity up to 70 kilos LiftBox comes in a compact and stylish white design that is hidden behind the whiteboard. Connection Frame, Projector Plate and Optional Floor Support are part of the product range accessories.

Mobile Stand for LiftBox



The TRIUMPH BOARD Mobile Stand for LiftBox has an assembly hitch for easily adding IWBs.

The Stand also comes with wheels for easy movement, which can be easily blocked to stop the Stand moving. The TRIUMPH BOARD Mobile Stand for the LiftBox is designed to provide a high level of convenience as well as smooth attachment of an IWB throughout its lifespan.



Audience Response Systems

Voting RF550



Voting RF450*



Vote everywhere and anytime with flexible interactive Wireless Audience Response Systems, fully integrated with Microsoft PowerPoint.

- TB VOTE software included
- User friendly visual working environment
- Real-time feedback
- Powerful reporting and statistics
- 1 presenter and 25 participants clickers (easy extendable to 500)
- LCD Display showing all inputs (RF 550 only)

* on demand model

Projectors

INTERACTIVE PROJECTORS

PJ3000i UST-W DLP

PJ2000i UST DLP

Multi touch technology is integrated directly into the projector. The Laser Curtain module may be easily mounted onto the standard whiteboard, creating an IR beam that covers the whole board. The IR camera integrated with the projector senses when a finger, stylus or pen touches the surface. Up to 10 touch points!

- True multi-touch (up to 10-Touch inputs)
- Laser Curtain module powered from the projector – no extra cables needed
- Ultra Short Throw Lens – position the projectors even closer to the wall, eliminating shadows of presenters
- WXGA 3500 / XGA 3000 ANSI Lumens
- BrilliantColor™ and DLP® technology by Texas Instruments
- Software: TRIUMPH CLOUD (USB Bundle Edition), DisplayNote, MyScript Stylus



ULTRA Touch 89"/ 79" * Whiteboards



ULTRA Touch whiteboard with e3 ceramic steel surface is ideal for use with interactive projectors. ULTRA Touch whiteboard has preassembled holes for Laser Curtain, wall mounts and fixings.

* Model 79" on demand

PROJECTORS PJ3000 UST-W DLP PJ2000 UST DLP



Perfect for presenting –maximize space in the meeting room. Ultra Short Throw Lens - position the projectors even closer to the wall eliminating shadows on the screen and allowing you to present with ease.

- WXGA 3500 / XGA 3000 ANSI Lumens
- BrilliantColor™ and DLP® technology by Texas Instruments
- Contrast: 3000:1 Native, 15000:1 Hi-Contrast mode
- Future-proof technology for the classroom with 2D and 3D lessons
- Environmentally friendly

PROJECTOR PJ1000 ST DLP



Minimize distractions and maximize the impact of your presentations with an affordable short throw distance solution.

- Short Throw Lens - position the projectors closer to the wall, reducing shadows
- XGA 3000 ANSI Lumens
- Incredible contrast of 18000:1 in Hi-Contrast mode
- BrilliantColor™ and DLP® technology by Texas Instruments
- Long lamp-life: 5000 hours
- Simple to install

55"



65"

70"



84"

Display

55"

Display

65"

Display

70"

Display

84" 4K

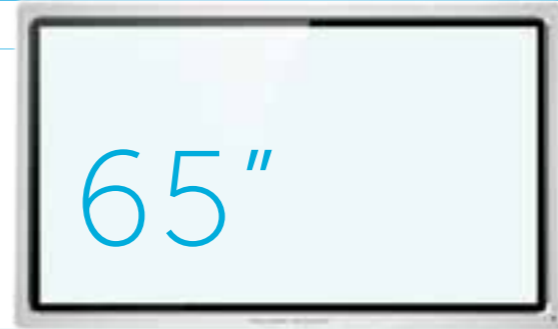
EAN:	8592580111891
Screen Type:	TFT LCD/A Standard/LED backlight
Resolution:	FULL HD (1920 x 1080)
Display Area:	1209.6 (H) x 680.4 (V) mm
Display Color:	16,77 M (8 - bit)
Diagonal Size:	1387,83 mm
Brightness:	350 cd/m2
Contrast:	1400 : 1
Response Time:	6 ms (Gray to Gray)
Refreshing Frequency:	100 HZ/60 HZ
View Angle:	178/178 (H/V)
Service Life:	50,000 hrs
Outline Dimension:	1369 x 828 x 104 mm
Package Dimension:	1485 x 980 x 220 mm
Net/Gross weight:	48/64 kg
Optional Mount System:	VESA 400 x 400
Optional Mini PC:	PC6A/PC7A

EAN:	8592580111907
Screen Type:	TFT LCD/A Standard/LED backlight
Resolution:	FULL HD (1920 x 1080)
Display Area:	1428.48 (H) x 803.52 (V) mm
Display Color:	1,07 B (10 - bit)
Diagonal Size:	1638,96 mm
Brightness:	360 cd/m2
Contrast:	4000 : 1
Response Time:	8 ms (Gray to Gray)
Refreshing Frequency:	100 HZ/60 HZ
View Angle:	178/178 (H/V)
Service Life:	> 50,000 hrs
Outline Dimension:	1591 x 961 x 111 mm
Package Dimension:	1730 x 1140 x 240 mm
Net/Gross weight:	72/92 kg
Optional Mount System:	VESA 600 x 400
Optional Mini PC:	PC6A/PC7A

EAN:	8592580111914
Screen Type:	TFT LCD/A Standard/LED backlight
Resolution:	FULL HD (1920 x 1080)
Display Area:	1538.880 (H) x 865.620 (V) mm
Display Color:	1,07 B (10 - bit)
Diagonal size:	1765,63 mm
Brightness:	350 cd/m2
Contrast:	4000 : 1
Response Time:	4 ms
Refreshing Frequency:	120 Hz
View Angle:	176/176 (H/V)
Service Life:	50,000 hrs
Outline Dimension:	1713 x 1035 x 100 mm
Package Dimension:	1830 x 1195 x 240 mm
Net/Gross weight:	73/96 kg
Optional Mount System:	VESA 400 x 400
Optional Mini PC:	PC6A/PC7A

EAN:	8592580111853
Screen Type:	TFT LCD/A Standard/LED backlight
Resolution:	ULTRA HD (3840 x 2160 px)
Display Area:	1860.48 (H) x 1046.52(V) mm
Display Color:	1,07 B (10 - bit)
Diagonal size:	2134,61 mm
Brightness:	350 cd/m2
Contrast:	1600 : 1
Response Time:	5 ms
Refreshing Frequency:	120 Hz
View Angle:	178/178 (H/V)
Service Life:	50,000 hrs
Outline Dimension:	2005 x 1191 x 123 mm
Package Dimension:	2170 x 320 x 1460 mm
Net/Gross weight:	118/148 kg
Optional Mount System:	VESA 600 x 600
Optional Mini PC:	PC6A/PC7A

Specifications



Touch System

55"/65"/70"/84"

Touch Input:	10 Touch Input / 6 Touch Input
Sensing Type:	Infrared Transmission (multi-touch)
Response Time:	< 15 ms (typ) / < 20 ms (typ)
Scan Frequency:	200 Hz
Output Coordinates:	32767 x 32767 px
Communication Mode:	Full-speed USB
Writing Facility:	Any Opaque Object that > ø 5 mm
Writing Screen:	Mohs hardness of 7
Life Time:	> 80 000 hours

Inputs and Outputs

55"/65"/70"/84"

HDMI IN:	3 / 4*
CVBS:	1
Coaxial OUT:	1
Audio IN:	3
VGA IN:	3
AUDIO OUT:	1
Touch OUT:	1
R/L (CVBS):	1
AC IN:	1
Power:	1
VGA OUT:	1
USB 2.0:	1
USB 3.0:	1
LAN (RJ45):	1
RS232:	1

* HDMI: 1x HDMI 4K, 1x HDMI MHL, 2x HDMI

Power

55"/65"/70"/84"

Power Requirements:	100~240 V AC 50/60 Hz
Overall Power Consumption:	55" < 200 W
	65" < 234 W
	70" < 252 W
	84" < 500 W
Standby Power Consumption:	55" ≤ 0,5 W
	65" ≤ 0,5 W
	70" ≤ 0,5 W
	84" < 0,5 W

Sound System

55"/65"/70"/84"

Power Amplify:	2 x 10 W / 2 x 15 W
Number of Sound Box:	2
Sound:	Surround

Ambient Conditions

55"/65"/70"/84"

Operation Temperature:	0° – 40°C
Operation Humidity:	10 – 90% RH
Storage Temperature:	-20° – 60°C / -10° – 60°C
Storage Humidity:	10 – 90% RH / 10 – 95% RH

Specifications

Specification

Interactive Whiteboards



MT Speakers

EAN:	8592580120022 / 8592580120039
Sound Power:	2x20W = 40W
Mounting Brackets:	Perfectly fit to whiteboard frame
Connectivity Input:	USB 2.0
Connectivity Output:	USB A x 1 / SD / MMC x 1
Supported OS:	Microsoft Windows, Linux, MAC
Power Input:	AC 240 V / AC 120 V
Remote Control:	Distance max 3 m
Speaker Dimension:	600 (L) x 142 (W) x 76 (D) mm



LiftBox for IWB's

EAN:	8592580082436
Model:	TRIUMPH BOARD LiftBox for IWB's
Designed for:	MULTI Touch IWB 78/89/96, ULTRA Touch 79/89, ULTRA SLIM 78, TRIUMPH BOARD PROJECTOR Series
Material of Stand:	Stainless steel
Net Weight:	24 kg
Net Dimension of Stand:	1042 x 556 x 76mm
Gross Weight:	25 kg
Gross Dimension of Stand:	1086 x 610 x 95mm
Lift:	400 mm
Max. load:	70 kg



Mobile Stand for LiftBox for IWB and LED LCD

EAN:	8592580082832
Model:	TRIUMPH BOARD Mobile Stand for LiftBox for LED LCDs and IWBs
Designed for:	All TRIUMPH BOARD IWBs and 55" / 65" / 70" LED LCDs
Material of Stand:	Steel
Load Capacity:	125 kg
Net Weight:	41 kg
Net Dimension of Stand:	1805 x 684 x 1147 mm
Gross Weight:	45 kg
Gross Dimension of Stand:	1665 x 710 x 185 mm
Lift:	400 mm (combined with LiftBox for LED LCDs and IWBs)



Document Camera A405

EAN:	8592580041075
Image Sensor:	5.0 Megapixel CMOS Color Sensor
Resolution:	2592 x 1944
Image File Format:	JPG, NSD
Image Capture Speed:	1 second
Doc File Format:	DOC, PDF, XLS
Video File Format:	WMV
Shooting Area:	Up to A4 Size - 8.3 x 11.7" (210 x 297 mm)
Operating Dimensions:	12.2 x 3.5 x 13.8" (310 x 89 x 350 mm)
Folded Dimensions:	4.1 x 3.5 x 13.8" (105 x 89 x 350 mm)
Interface:	USB 2.0
Focal Length:	4" to 15" (101 to 381 mm)
Focus:	Manual
Frame Rate:	30 frames per second (max)
LED Lights:	14
Operating System:	Windows 8, Windows 7, Windows Vista and Windows XP
White Balance:	Auto
Net Weight:	800g



Voting RF450

EAN:	8592580011184
Teacher and Student Keypad Dimensions:	92 mm x 56 mm x 8 mm
LCD Display Dimensions:	16 mm x 37 mm 1 row / 6 digits
Net Weight:	32g (with batteries)
Key Buttons:	Teacher keypad – 15 buttons Student keypad – 15 buttons
Battery Requirement:	Japanese batteries incl.
Transmission Distance:	50 Meters
Power Saving Mode:	30 second go to sleep mode
Wavelength:	2.4 GHz
USB PC Receiver Dimensions:	62 mm x 30 mm x 10 mm
Power:	USB Port
Net Weight:	15g
Transmission Distance:	50 Meters
Receiving Angle:	360°
Connection:	USB Port
RF Wavelength:	2.4 GHz
	Model on demand



Voting RF550

EAN:	8592580081576
Teacher and Student Keypad Dimensions:	91 mm x 55 mm x 8 mm
LCD Display Dimensions:	16 mm x 37 mm 1 row / 6 digits
Net Weight:	38g (with batteries)
Key Buttons:	Teacher keypad – 15 buttons Student keypad – 15 buttons
Battery Requirement:	Japanese batteries incl.
Transmission Distance:	50 Meters
Power Saving Mode:	30 second go to sleep mode
Wavelength:	2.4 GHz
USB PC Receiver Dimensions:	62 mm x 30 mm x 10 mm
Power:	USB Port
Net Weight:	15g
Transmission Distance:	50 Meters
Receiving Angle:	360°
Connection:	USB Port
RF Wavelength:	2.4 GHz
	Model on demand

MULTI Touch 78"

EAN:	8592580120008
Aspect Ratio:	4:3
Technology:	IR (Infrared) cell LED optical
Touch Input:	6
Resolution:	32767 x 32767
Active Screen Area Size:	1654 x 1161 mm (78.1" diagonal)
Projection Screen Area Size:	1518 x 1138 mm
Board Size without Packing:	1740,5 x 1247,5 x 32 mm
Operation Temperature:	-15 to 50 °C
Operation Humidity:	20 ~ 90%
Cable Length:	5 m
Response Time:	6 ms
Interface Type:	USB 2.0
Power Supply:	USB DC 5V from PC
Power Consumption:	< 0,5 W
Storage Temperature:	-40 to 50°C
Storage Humidity:	10-95%
Platform:	Windows 8, Windows 7, XP and Vista, Linux, MAC
Net Weight:	18 kg

MULTI Touch 89"

EAN:	8592580120015
Aspect Ratio:	16:10 / 16:9
Technology:	IR (Infrared) cell LED optical
Touch Input:	6
Resolution:	32767 x 32767
Active Screen Area Size:	1946 x 1161 mm (89.2" diagonal)
Projection Screen Area Size:	1808 x 1130 mm
Board Size without Packing:	2032,5 x 1247,5 x 32 mm
Operation Temperature:	-15 to 50 °C
Operation Humidity:	20 ~ 90%
Cable Length:	5 m
Response Time:	6 ms
Interface Type:	USB 2.0
Power Supply:	USB DC 5V from PC
Power Consumption:	< 0,5 W
Storage Temperature:	-40 to 50°C
Storage Humidity:	10-95%
Platform:	Windows 8, Windows 7, XP and Vista, Linux, MAC
Net Weight:	23 kg

Specification

Projectors



	PJ3000i UST-W DLP	PJ2000i UST DLP
EAN:	8592580081996	8592580082030
Intended for:	ULTRA Touch Board 89"	ULTRA Touch Board 78"
Display Technology:	Ultra Short Throw lens. Single 0.65" WXGA S450DMD + DDP4421 chip DLP Technology by Texas Instruments	Ultra Short Throw lens. Single 0.55" XGA S450DMD + DDP4421 chip DLP Technology by Texas Instruments
Native Resolution:	WXGA 1280 x 800	XGA 1024 x 768
Brightness - BRIGHT mode:	3500 ANSI Lumens	3000 ANSI Lumens
Contrast:	3000:1 Native, 15000:1 Hi-Contrast mode	3000 ANSI Lumens
Lamp Life:	3000 hours (normal mode), 4000 hours (eco mode)	
Throw Ratio:	0.35	
Noise Level (Eco mode):	30dB	
Displayable Color:	1.07 Billion	
Projection Lens:	F/2.6; f=7.35mm, Fixed Zoom	
Projection Screen Size:	70" - 100" Diagonal 16:10	60" - 90" Diagonal 4:3
Projection Distance:	597 mm - 731 mm (for 89" - 670 mm)	597 mm - 731 mm (for 78" - 691 mm)
Zoom Type:	Fix zoom lens	
Maximum Resolution:	UXGA 1600 x 1200	
Computer Compatibility:	UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac	
Standard I/O:	VGA in x2, VGA out x1, HDMI x1, S-Video x1, Composite Video x1, Audio in -RCA (L/R) x2, Audio in - 3.5mm jack x2, Audio out x1, microphone x1, Mini USB x1, RS232 D-Sub 9pin x1, DC 12V output x1	
Aspect Ratio:	16:10 Native, 16:9 / 4:3 Compatible	4:3 Native, 16:9 / 16:10 Compatible
Offset:	125%	
Horizontal Scan Rate:	15.3 - 91.1kHz	
Vertical Scan Rate:	24 - 85Hz (120Hz for 3D)	
Keystone Correction:	Vertical: - 15/+15 degree (without Auto keystone)	
Remote Control:	Universal Remote control	
Power Supply:	100-240V, 50-60Hz	
Power Consumption:	240W : 300W ± 10% at 110 VAC / 0.5W < Standby mode	
Operating Conditions:	5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000 m	
Security:	Security Bar, Kensington Lock, Password Protection	
Basic Accessories:	AC Power Cord 1.8m, VGA Cable 1.8m, 2x Interactive Stylus, USB 5m Cable, Remote Control, Quick Start Card, CD User Manual, Warranty Card, Software: TB Comenius Office, MyScript Stylus, RM Easiteach Next Generation	
Optional Accessories:	Wall Mount - TRIUMPH BOARD PROJECTOR WALL MOUNT 2000/3000 Series	
RoHS:	Compliant	
Audio:	10W	
On Screen Display:	29 Languages: English (UK), Russian, Czech, Arabic, Bulgarian, Danish, Dutch, Croatian, Finnish, French, French (Canada), German, Greek, Hebrew, Hungarian, Italian, Latvian, Norwegian, Polish, Portuguese (POR), Romanian, Serbian, Slovak, Slovenian, Spanish, Spanish, (Mexico), Swedish, Turkish, Ukrainian	
Net Weight:	7.7 kg	
Gross Weight:	11.5 kg	
Dimensions (W x D x H):	357 x 367 x 136 mm	
Packing:	1 box / 518 x 455 x 340 mm	

Present Modes:	
Movie:	Maximum contrast and Color accuracy
sRGB:	Best Color Reproduction
User:	Memorizes user's settings
Presentation:	Default mode, perfect with computers or notebooks
Bright:	For environments with high ambient light (Brightest image)
Classroom:	1500 ANSI Lumens, perfect for installations with interactive whiteboards

Touch Interface Specifications

CMOS:	1/3", 720 x 480, 60fps
Image Size Support:	70"-100"
Number of Touch Points:	10 Multi-touch points
Calibration:	Auto calibration / manual 4 points calibration
Accuracy (Offset):	±4 pixels @ < 2 mm non-planarity 100" surface
Hover (Z-depth):	5 ~ 8 mm @ < 2 mm non-planarity 100" surface
Driver Installation:	Auto-installation when plug in USB cable (Windows only)
OS Support:	Windows 8, Windows 7, Mac OS X
Minimum Stylus Diameter:	5 mm @ 100"
Power Consumption of Curtain:	12 V/0.2A (TBD)

Laser Curtain Module Specification

Laser Curtain:	IR Laser 830nm, 20.000 hours
Distance of Curtain to Screen:	2 cm
Whiteboard Non-Planarity:	< 2 mm

Environment / Safety

Laser Safety:	Class-1 @ 100"
Operation Temperature:	0° C ~ +40° C (without cooling fan)
Storage Temperature:	-10° C ~ +60° C

Whiteboards

	Ultra Touch 79"	Ultra Touch 89"
EAN:	8592580101540	8592580101571
Aspect ratio:	4:3	16:10
Active screen size area:	1620 x 1183 mm (79" diagonal)	1930 x 1183 mm (89,1" diagonal)
Projection area:	1558 x 1173 mm	1869 x 1173 mm
Board size without the packing:	1660 x 1293 x 22 mm	1970 x 1293 x 22 mm
Net Weight:	23.2 kg	27.5 kg
Gross Weight:	31.06 kg	36.86 kg
Packing size:	1710 x 1343 x 33 mm	2020 x 1343 x 33 mm
	Model on demand	



	PJ3000 UST-W DLP	PJ2000 UST DLP	PJ1000 ST DLP
EAN:	8592580081989	8592580081972	8592580082009
Intended for:	Interactive Whiteboards - MULTI Touch 89" / 96"	IWB - MULTI Touch 78", PORTABLE SLIM, ULTRA SLIM 78", RESISTIVE 78"	Interactive Whiteboards - MULTI Touch 78", PORTABLE SLIM, ULTRA SLIM 78", RESISTIVE 78"
Display Technology:	Ultra Short Throw lens. Single 0.65" WXGA S450DMD + DDP4421 chip DLP Technology by Texas Instruments	Ultra Short Throw lens. Single 0.55" XGA S450DMD + DDP4421 chip DLP Technology by Texas Instruments	Short Throw lens. Single 0.55" XGA S450DMD + DDP2431 chip DLP Technology by Texas Instruments
Native Resolution:	WXGA 1280 x 800	XGA 1024 x 768	XGA 1024 x 768
Brightness - BRIGHT mode:	3500 ANSI Lumens	3000 ANSI Lumens	3000 ANSI Lumens
Contrast:	3000:1 Native, 15000:1 Hi-Contrast mode	3000 ANSI Lumens	3000:1 Native, 18000:1 Hi-Contrast mode
Lamp Life:	3000 hours (normal mode), 4000 hours (eco mode)		3500 hours (normal mode), 5000 hours (eco mode)
Throw Ratio:	0.35		0.62
Noise Level (Eco mode):	30dB		30dB
Displayable Color:	1.07 Billion		1.07 Billion
Projection Lens:	F/2.6; f=7.35mm, Fixed Zoom		F/2.8; f=7.26mm, Fixed Zoom
Projection Screen Size:	70" - 100" Diagonal 16:10	60" - 90" Diagonal 4:3	60" - 90" Diagonal 4:3
Projection Distance:	597mm - 731mm (for 89" - 670 mm)	597mm - 731mm (for 78" - 691 mm)	750-1100 mm (for 78" - 1050mm)
Zoom Type:	Fix zoom lens		Fix zoom lens
Maximum Resolution:	UXGA 1600 x 1200		UXGA 1600 x 1200
Computer Compatibility:	UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac		UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
Standard I/O:	VGA in x2, VGA out x1, HDMI x1, S-Video x1, Composite Video x1, Audio in -RCA (L/R) x2, Audio in - 3.5mm jack x2, Audio out x1, microphone x1, Mini USB x1, RS232 D-Sub 9pin x1, DC 12V output x1		VGA in x2, VGA out x1, HDMI x1, S-Video x1, RJ45 x1, Composite Video x1, Audio in - 3.5 mm jack x1, Audio out x1, USB typ B x1, RS232 D-Sub 9pin x1
Aspect Ratio:	16:10 Native, 16:9 / 4:3 Compatible	4:3 Native, 16:9 / 16:10 Compatible	4:3 Native, 16:9/16:10 Compatible
Offset:	125%		115% ± 5%
Horizontal Scan Rate:	15.3 - 91.1kHz		15.3 - 91.1kHz
Vertical Scan Rate:	24 - 85Hz (120Hz for 3D)		24 - 85Hz (120Hz for 3D)
Keystone Correction:	Vertical: - 15/+15 degree (without Auto keystone)		± 15° Vertical
Remote Control:	Universal Remote control		Universal Remote control
Power Supply:	100-240V, 50-60Hz		100-240V, 50-60Hz
Power Consumption:	240W : 300W ± 10% at 110 VAC / 0.5W < Standby mode		240W - 300W ± 10% at 110 VAC / < 0.5 Standby mode
Operating Conditions:	5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m		5°C - 40°C, Max. Humidity 85%, Max. Altitude 1000m
Security:	Security Bar, Kensington Lock, Password Protection		Security Bar, Kensington Lock, Password Protection
Basic accessories in the box:	AC Power Cord 1.8m, VGA Cable 1.8m, Remote Control, Quick Start Card, CD User Manual, Warranty Card		AC Power Cord 1.8m, VGA Cable 1.8m, Remote Control, Quick Start Card, CD User Manual, Warranty Card
Optional Accessories:	Wall Mount - TRIUMPH BOARD PROJECTOR WALL MOUNT 2000/3000 Series		Wall Mount
RoHS:	Compliant		Compliant
Audio:	10W		2W
On Screen Display:	29 Languages: English (UK), Russian, Czech, Arabic, Bulgarian, Danish, Dutch, Croatian, Finnish, French, French (Canada), German, Greek, Hebrew, Hungarian, Italian, Latvian, Norwegian, Polish, Portuguese (POR), Romanian, Serbian, Slovak, Slovenian, Spanish, Spanish, (Mexico), Swedish, Turkish, Ukrainian		
Net Weight:	7.5 kg		2.7 kg
Gross Weight:	10.2 kg		4.5 kg
Dimensions (W x D x H):	357 x 367 x 136 mm		284 x 222 x 76 mm
Packing:	1 box / 518 x 455 x 340 mm		1 box / 418 x 330 x 147 mm

Present Modes:	
Movie:	Maximum contrast and color accuracy
sRGB:	Best color reproduction
User:	Memorizes user's settings
Presentation:	Default mode, perfect with computers or notebooks
Bright:	For environments with high ambient light (Brightest image)
Classroom:	1500 ANSI Lumens, perfect for installations with interactive whiteboards

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