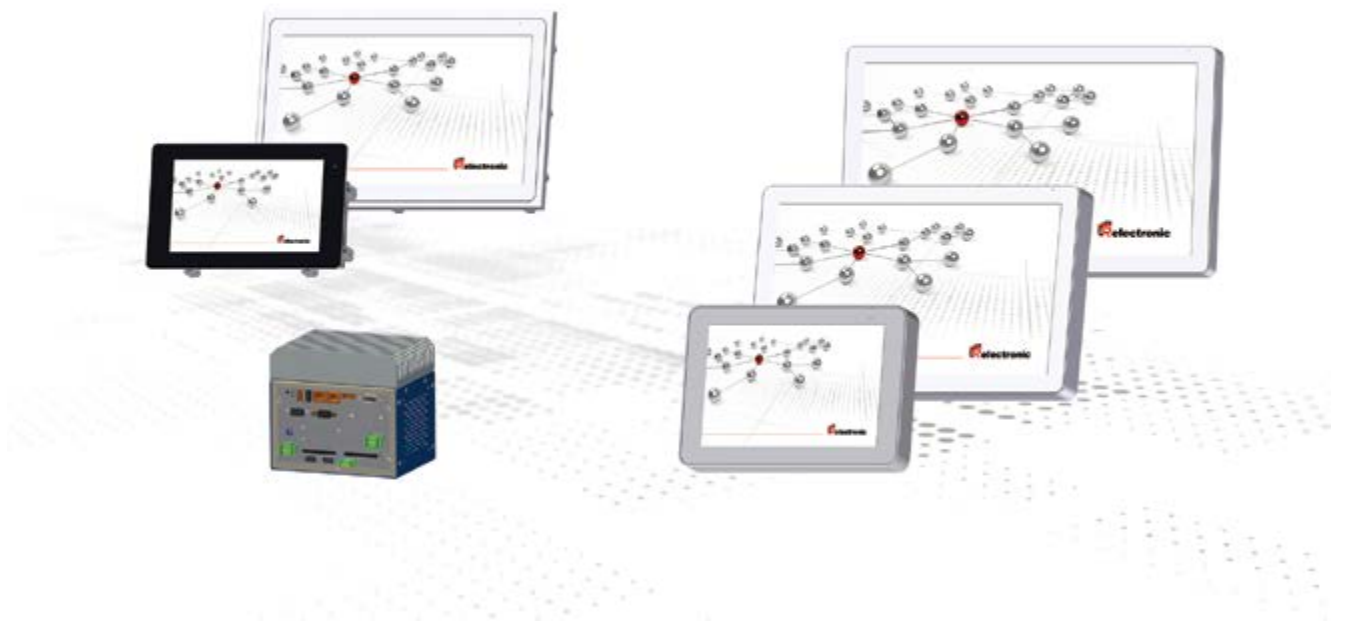


Automation Platform notion.ABC



notion.ABC



The new platform for automation

Three basic designs are integrated into a wide variety of configurations. "notion.A" are completely enclosed units. They are mounted by means of a supporting arm and enable system visualization and operation under the most difficult ambient conditions. The modern 16:9 aspect ratio displays its advantages to the full in upright portrait orientation: visualization at the top, with status displays, trend diagrams and softkeys at the bottom. But even in landscape orientation, the larger display helps to make the

multi-touch navigation highly ergonomic. As a switch cabinet computer, "notion.B" offers the necessary processing power. For traditional installation in 19-inch control panels, switch cabinets or consoles, "notion.C" combines the IP65 tight front unit of "notion.A" with the processing power of "notion.B". "notion.ABC" is the innovative foundation for both future-oriented and traditional operating system and automation applications.

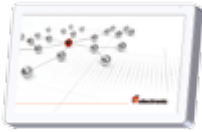
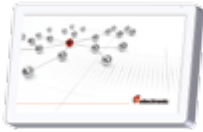
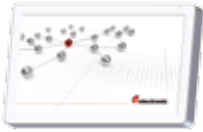
Contents

Products.....	3
Dimensional Drawings.....	13

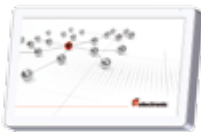
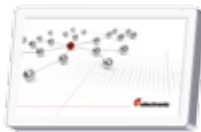
notion.A tablet

Product	notion.A tablet 	notion.A tablet 	notion.A tablet 
Screen diagonal	256.0 mm (10.1")	396.0 mm (15.6")	439.4 mm (17.3")
Screen resolution	1280×800	1366×768	1920×1080
Screen format	16:10 WXGA	16:9 WXGA	16:9 Full HD
Touch screen	Glass touch (multitouch)	Glass touch (multitouch)	Glass touch (multitouch)
Operating voltage	24 VDC; +/- 20%	24 VDC; +/- 20%	24 VDC; +/- 20%
Operating temperature	0...50 °C	0...50 °C	0...50 °C
Type of protection front / backside (IP)	IP65 / IP65	IP65 / IP65	IP65 / IP65
Case mounting	VESA 75 / 100	VESA 75 / 100	VESA 75 / 100
CPU	ARM Cortex	ARM Cortex	ARM Cortex
Drive	SD (Secure Digital Memory Card); eMMC (embedded Multimedia Card)	SD (Secure Digital Memory Card); eMMC (embedded Multimedia Card)	SD (Secure Digital Memory Card); eMMC (embedded Multimedia Card)
Operating system	Android; Linux	Android; Linux	Android; Linux
interface	LAN; USB 2.0; RS 232/422/485*; CAN*; Ethercat*; Profibus*	LAN; USB 2.0; RS 232/422/485*; CAN*; Ethercat*; Profibus*	LAN; USB 2.0; RS 232/422/485*; CAN*; Ethercat*; Profibus*
<			

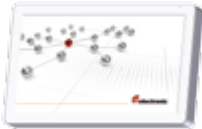
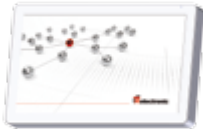
notion.A tablet notion.A computer

Product	notion.A tablet	notion.A computer	notion.A computer	
				
Screen diagonal	469.9 mm (18.5")	256.0 mm (10.1")	396.0 mm (15.6")	
Screen resolution	1366 x 768	1280 x 800	1366 x 768	
Screen format	16:9 WXGA	16:10 WXGA	16:9 WXGA	
Touch screen	Glass touch (multitouch)	Glass touch (multitouch)	Glass touch (multitouch)	
Operating voltage	24 VDC; +/- 20%	24 VDC; +/- 20%	24 VDC; +/- 20%	
Operating temperature	0...50 °C	0...50 °C	0...50 °C	
Type of protection front / backside (IP)	IP65 / IP65	IP65 / IP54	IP65 / IP20	
Case mounting	VESA 75 / 100	VESA 75 / 100	VESA 75 / 100	
CPU	ARM Cortex	Intel® Atom™ Dual-Core	Intel® Atom™ Dual Core	
Drive	SD (Secure Digital Memory Card); eMMC (embedded Multimedia Card)	CFast (CompactFlash ATA Serial Transfer); SSD (Solid-State-Drive); HDD (Hard-Disk-Drive);	CFast (CompactFlash ATA Serial Transfer); CF (Compact Flash); SD (Secure Digital Memory Card); SSD (Solid-State-Drive); HDD (Hard-Disk-Drive);	
Operating system	Android; Linux	Windows® Embedded Standard 7; Windows® 7 Professional; Windows® Embedded 8 Standard; Windows® 8 Professional	Windows® Embedded Standard 7; Windows® 7 Professional; Windows® Embedded 8 Standard; Windows® 8 Professional	

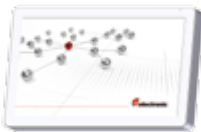
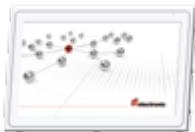
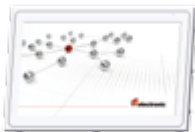
notion.A computer notion.A terminal

notion.A computer	notion.A computer	notion.A computer	notion.A terminal
			
439.4 mm (17.3")	469.9 mm (18.5")	546.1 mm (21.5")	256.0 mm (10.1")
1920 × 1080	1366 × 768	1920 × 1080	1280 × 800
16:9 Full HD	16:9 WXGA	16:9 Full HD	16:10 WXGA
Glass touch (multitouch)	Glass touch (multitouch)	Glass touch (multitouch)	Glass touch (multitouch)
24 VDC; +/- 20%	24 VDC; +/- 20%	24 VDC; +/- 20%	24 VDC; +/- 20%
0...50 °C	0...50 °C	0...50 °C	0...50 °C
IP65 / IP54	IP65 / IP54	IP65 / IP20	IP65 / IP54
VESA 75 / 100	VESA 75 / 100	VESA 75 / 100	VESA 75 / 100
Intel® Atom™ Quad-Core	Intel® Atom™ Quad-Core; AMD Quad Core; Intel® Core™ i5; Intel® Core™ i7	Intel® Atom™ Quad-Core; AMD Quad Core; Intel® Core™ i5; Intel® Core™ i7	
CFast (CompactFlash ATA Serial Transfer); CF (Compact Flash); SD (Secure Digital Memory Card); SSD (Solid-State-Drive); HDD (Hard-Disk-Drive);	CFast (CompactFlash ATA Serial Transfer); CF (Compact Flash); SD (Secure Digital Memory Card); SSD (Solid-State-Drive); HDD (Hard-Disk-Drive);	CFast (CompactFlash 	

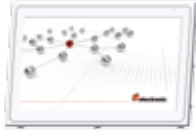
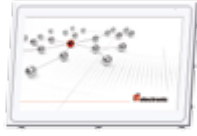
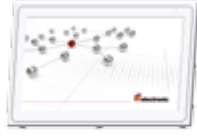
notion.A terminal

Product	notion.A terminal	notion.A terminal	notion.A terminal	
				
Screen diagonal	396.0 mm (15.6")	439.4 mm (17.3")	469.9 mm (18.5")	
Screen resolution	1366 x 768	1920 x 1080	1366 x 768	
Screen format	16:9 WXGA	16:9 Full HD	16:9 WXGA	
Touch screen	Glass touch (multitouch)	Glass touch (multitouch)	Glass touch (multitouch)	
Operating voltage	24 VDC; +/- 20%	24 VDC; +/- 20%	24 VDC; +/- 20%	
Operating temperature	0...50 °C	0...50 °C	0...50 °C	
Type of protection front / backside (IP)	IP65 / IP54	IP65 / IP54	IP65 / IP54	
Case mounting	VESA 75 / 100	VESA 75 / 100	VESA 75 / 100	
CPU				
Drive				
Operating system				
interface	KVM-Extender	VGA; DVI; USB; KVM-Extender	VGA; DVI; USB; KVM-Extender	
Weblink	www.tr-electronic.de/f/TRS-DOC-000817	www.tr-electronic.de/f/TRS-DOC-000817	www.tr-electronic.de/f/TRS-DOC-000817	
QR-Code</				

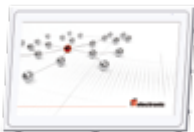
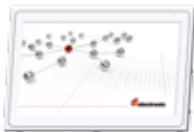
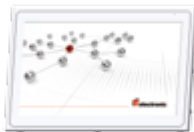
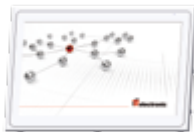
notion.A terminal notion.B 200 notion.C tablet

notion.A terminal	notion.B 200	notion.C tablet	notion.C tablet
			
546.1 mm (21.5")		178.0 mm (7.0")	256.0 mm (10.1")
1920 × 1080		800 × 480	1280 × 800
16:9 Full HD		5:3 WVGA	16:10 WXGA
Glass touch (multitouch)	Keyboard, mouse	Glass touch (multitouch)	Glass touch (multitouch)
24 VDC; +/- 20%	24 VDC; +/- 20%	24 VDC; +/- 20%	24 VDC; +/- 20%
0...50 °C	0...50 °C	0...50 °C	0...50 °C
IP65 / IP20	IP20	IP65 / IP20	IP65 / IP20
VESA 75 / 100	Mounting bracket: DIN rail	Recessed mounting	Recessed mounting
	Intel® Atom™ Quad-Core; AMD Quad Core; Intel® Core™ i5; Intel® Core™ i7	ARM Cortex	ARM Cortex
	CFast (CompactFlash ATA Serial Transfer); CF (Compact Flash); SD (Secure Digital Memory Card); SSD (Solid-State-Drive); HDD (Hard-Disk-Drive);	SD (Secure Digital Memory Card); eMMC (embedded Multimedia Card)	SD (Secure Digital Memory Card); eMMC (embedded Multimedia Card)
	Windows® Embedded Standard 7; Windows® 7 Professional; Windows® Embedded 8 Standard; Windows® 8 Professional	Android; Linux	Android;<

notion.C tablet

Product	notion.C tablet	notion.C tablet	notion.C tablet	
				
Screen diagonal	396.0 mm (15.6")	439.4 mm (17.3")	546.1 mm (21.5")	
Screen resolution	1366 x 768	1920 x 1080	1920 x 1080	
Screen format	16:9 WXGA	16:9 Full HD	16:9 Full HD	
Touch screen	Glass touch (multitouch)	Glass touch (multitouch)	Glass touch (multitouch)	
Operating voltage	24 VDC; +/- 20%	24 VDC; +/- 20%	24 VDC; +/- 20%	
Operating temperature	0...50 °C	0...50 °C	0...50 °C	
Type of protection front / backside (IP)	IP65 / IP20	IP65 / IP20	IP65 / IP20	
Case mounting	Recessed mounting	Recessed mounting	Recessed mounting	
CPU	ARM Cortex	ARM Cortex	ARM Cortex	
Drive	SD (Secure Digital Memory Card); eMMC (embedded Multimedia Card)	SD (Secure Digital Memory Card); eMMC (embedded Multimedia Card)	SD (Secure Digital Memory Card); eMMC (embedded Multimedia Card)	
Operating system	Android; Linux	Android; Linux	Android; Linux	
interface	LAN; USB 2.0; RS 232/422/485*; CAN*; Ethercat*; Profibus*	LAN; USB 2.0; RS 232/422/485*; CAN*; Ethercat*; Profibus*	LAN; USB 2.0; RS 232/4	

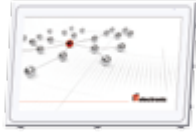
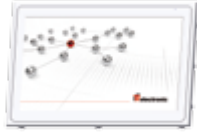
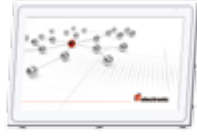
notion.C computer

notion.C computer	notion.C computer	notion.C computer	notion.C computer
			
178.0 mm (7.0")	256.0 mm (10.1")	307.0 mm (12.1")	396.0 mm (15.6")
800 × 480	1280 × 800	1280 × 800	1366 × 768
5:3 WVGA	16:10 WXGA	16:10 WXGA	16:9 WXGA
Glass touch (multitouch)	Glass touch (multitouch)	Glass touch (multitouch)	Glass touch (multitouch)
24 VDC; +/- 20%	24 VDC; +/- 20%	24 VDC; +/- 20%	24 VDC; +/- 20%
0...50 °C	0...50 °C	0...50 °C	0...50 °C
IP65 / IP20	IP65 / IP20	IP65 / IP20	IP65 / IP20
Recessed mounting	Recessed mounting	Recessed mounting	Recessed mounting
Intel® Atom™ Quad-Core;	Intel® Atom™ Quad-Core;	Intel® Atom™ Quad-Core	Intel® Atom™ Quad-Core;
SSD (Solid-State-Drive); HDD (Hard-Disk-Drive);	CFast (CompactFlash ATA Serial Transfer); SSD (Solid-State-Drive); HDD (Hard-Disk-Drive);	SSD (Solid-State-Drive); HDD (Hard-Disk-Drive);	SSD (Solid-State-Drive); HDD (Hard-Disk-Drive);
Windows® Embedded Standard 7; Windows® 7 Professional; Windows® Embedded 8 Standard; Windows® 8 Professional	Windows® Embedded Standard 7; Windows® 7 Professional; Windows® Embedded 8 Standard; Windows® 8 Professional	Windows® Embedded Standard 7; Windows® 7 Professional; Windows® Embedded 8 Standard; Windows® 8 Professional	Windows® Embedded Standard 7; Windows® 7 Professional; Windows® Embedded 8 Standard; Windows® 8 Professional
LAN; USB 2.0; USB 3.0; RS232; Fieldbuses; Realtime-LAN	LAN; USB 2.0; USB 3.0; RS232; Fieldbuses; Realtime-LAN	LAN; USB 2.0; USB 3.0; RS232; Fieldbuses; Realtime-LAN	LAN; USB 2.0; USB 3.0 RS232
www.tr-electronic.de/f/TRS-DOC-000819	www.tr-electronic.de/f/TRS-DOC-000819	www.tr-electronic.de/f/TRS-DOC-000819	www.tr-electronic.de/f/TRS-DOC-000819
			

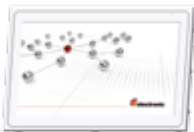
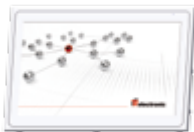
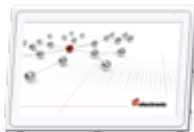
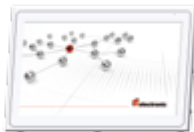
*on request

Please ask for your desired configuration about feasibility and availability: info@trsystems.de

notion.C computer

Product	notion.C computer	notion.C computer	notion.C computer	
				
Screen diagonal	439.4 mm (17.3")	469.9 mm (18.5")	546.1 mm (21.5")	
Screen resolution	1920 x 1080	1366 x 768	1920 x 1080	
Screen format	16:9 Full HD	16:9 WXGA	16:9 Full HD	
Touch screen	Glass touch (multitouch)	Glass touch (multitouch)	Glass touch (multitouch)	
Operating voltage	24 VDC; +/- 20%	24 VDC; +/- 20%	24 VDC; +/- 20%	
Operating temperature	0...50 °C	0...50 °C	0...50 °C	
Type of protection front / backside (IP)	IP65 / IP20	IP65 / IP20	IP65 / IP20	
Case mounting	Recessed mounting	Recessed mounting	Recessed mounting	
CPU	Intel® Atom™ Quad-Core; AMD Quad Core; Intel® Core™ i5; Intel® Core™ i7	Intel® Atom™ Quad-Core; AMD Quad Core; Intel® Core™ i5; Intel® Core™ i7	Intel® Atom™ Quad-Core; AMD Quad Core; Intel® Core™ i5; Intel® Core™ i7	
Drive	CFast (CompactFlash ATA Serial Transfer); CF (Compact Flash); SD (Secure Digital Memory Card); SSD (Solid-State-Drive); HDD (Hard-Disk-Drive);	CFast (CompactFlash ATA Serial Transfer); CF (Compact Flash); SD (Secure Digital Memory Card); SSD (Solid-State-Drive); HDD (Hard-Disk-Drive);	CFast (CompactFlash ATA Serial Transfer); CF (Compact Flash); SD (Secure Digital Memory Card); SSD (Solid-State-Drive); HDD (Hard-Disk-Drive);	
Operating system	Windows® Embedded Standard 7; Windows® 7 Professional; Windows® Embedded 8 Standard; Windows® 8 Professional	Windows® Embedded Standard 7; Windows® 7 Professional; Windows® Embedded 8 Standard; Windows® 8 Professional	Windows® Embedded Standard 7; Windows® 7 Professional; Windows® Embedded 8 Standard; Windows® 8 Professional	
interface	LAN; USB 2.0; USB 3.0; RS232; Fieldbuses; Realtime-LAN	LAN; USB 2.0; USB 3.0; RS232; Fieldbuses; Realtime-LAN	LAN; USB 2.0; USB 3.0; RS232; Fieldbuses; Realtime-LAN	
Weblink	www.tr-electronic.de/f/TRS-DOC-000819	www.tr-electronic.de/f/TRS-DOC-000819	www.tr-electronic.de/f/TRS-DOC-000819	
QR-Code				

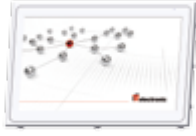
notion.C terminal

notion.C terminal	notion.C terminal	notion.C terminal	notion.C terminal
			
307.0 mm (12.1")	396.0 mm (15.6")	439.4 mm (17.3")	469.9 mm (18.5")
1280×800	1366×768	1920×1080	1366×768
16:10 WXGA	16:9 WXGA	16:9 Full HD	16:9 WXGA
Glass touch (multitouch)	Glass touch (multitouch)	Glass touch (multitouch)	Glass touch (multitouch)
24 VDC; +/- 20%	24 VDC; +/- 20%	24 VDC; +/- 20%	24 VDC; +/- 20%
0...50 °C	0...50 °C	0...50 °C	0...50 °C
IP65 / IP20	IP65 / IP20	IP65 / IP20	IP65 / IP20
Recessed mounting	Recessed mounting	Recessed mounting	Recessed mounting
VGA; DVI; USB 2.0;	VGA; DVI; USB 2.0;	VGA; DVI; USB;	VGA; DVI; USB;
www.tr-electronic.de/f/TRS-DOC-000819	www.tr-electronic.de/f/TRS-DOC-000819	www.tr-electronic.de/f/TRS-DOC-000819	www.tr-electronic.de/f/TRS-DOC-000819
			

*on request

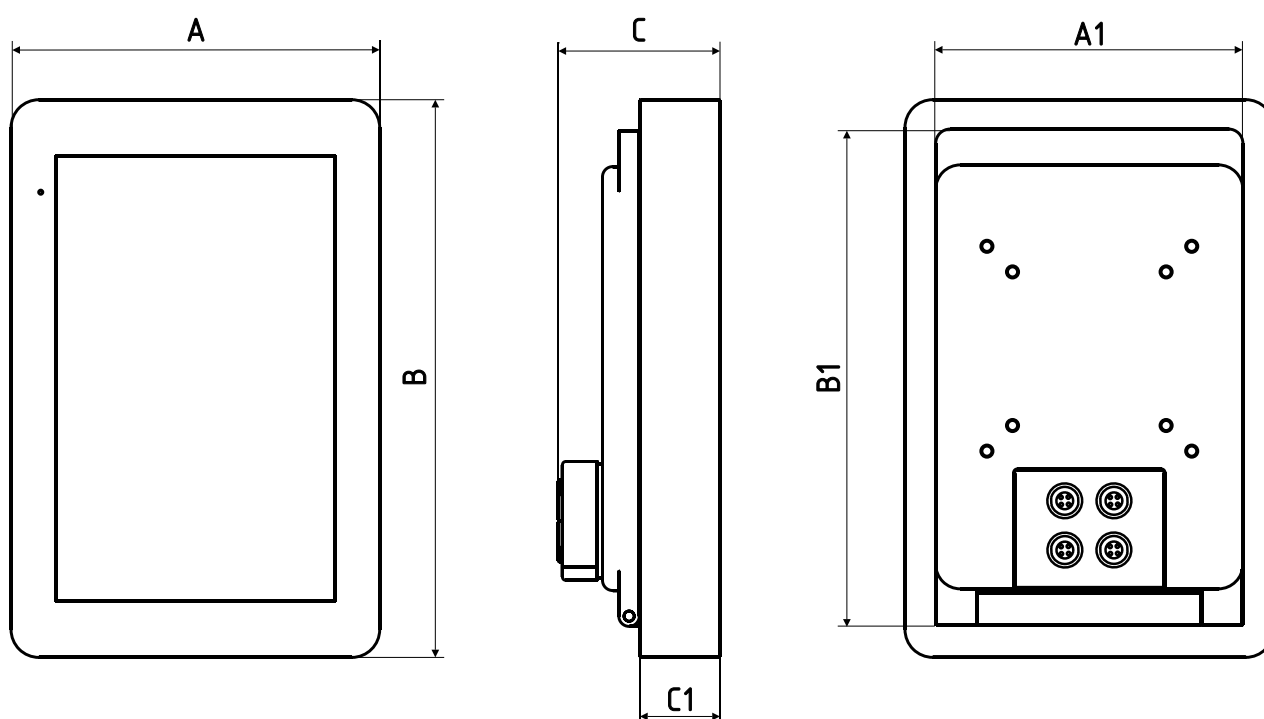
Please ask for your desired configuration about feasibility and availability: info@trsystems.de

notion.C terminal

Product	notion.C terminal 
Screen diagonal	546.1 mm (21.5")
Screen resolution	1920 x 1080
Screen format	16:9 Full HD
Touch screen	Glass touch (multitouch)
Operating voltage	24 VDC; +/- 20%
Operating temperature	0...50 °C
Type of protection front / backside (IP)	IP65 / IP20
Case mounting	Recessed mounting
CPU	
Drive	
Operating system	
interface	VGA; DVI; USB;
Weblink	www.tr-electronic.de/f/TRS-DOC-000819
QR-Code	

Dimensional Drawings

notion.A tablet
Dimensions see table



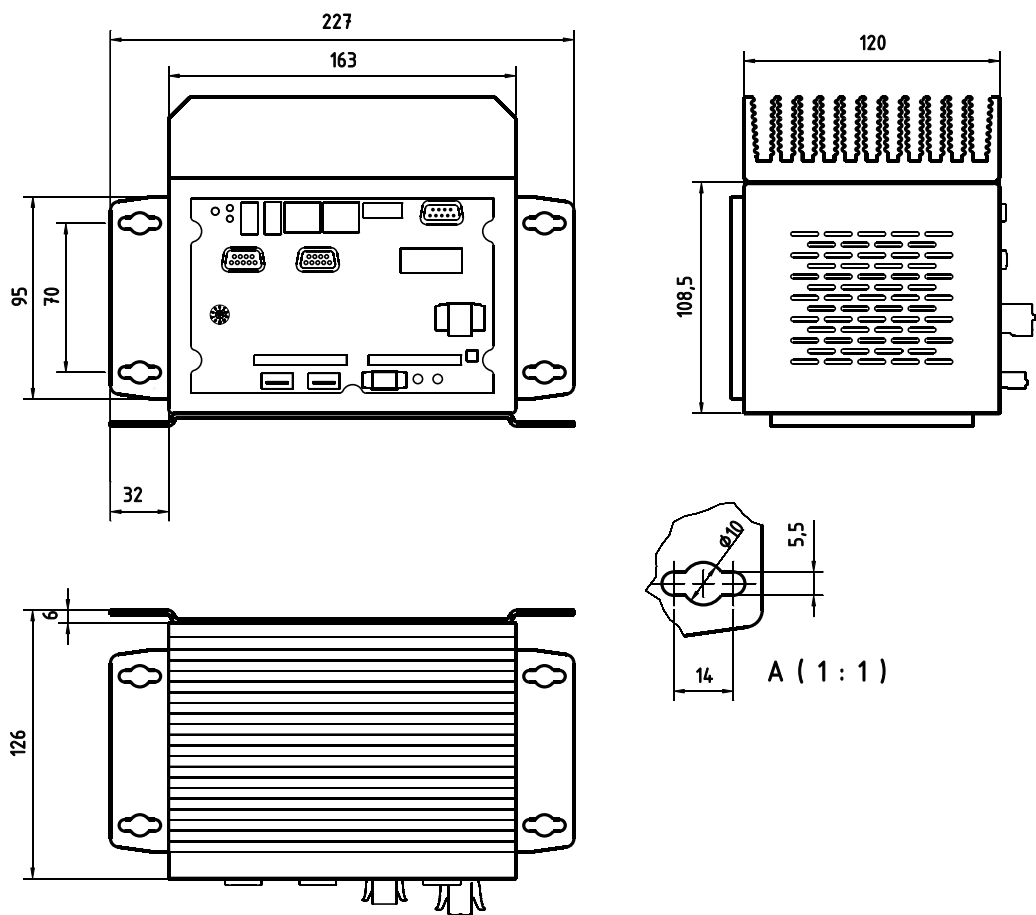
notion.A
Dimensions

notion.A (tablet)

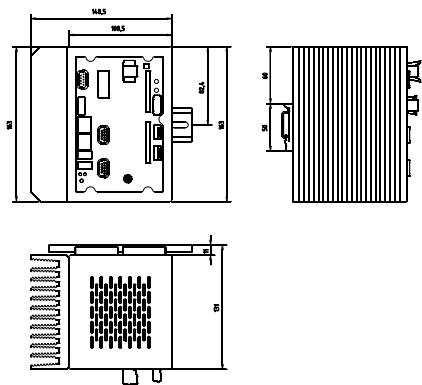
[mm]	A	A1	B	B1	C	C1
Displaydiagonale						
10,1 inch	180,0	150,0	272,3	242,0	78,9	39,0
15,6 inch	247,2	197,2	394,3	334,3	84,8	32,3
17,3 inch	266,2	150,0	433,3	242,0	83,5	41,0
18,5 inch	289,6	150,0	460,5	242,0	85,5	41,0

Dimensional Drawings

notion.B
Dimensions



notion.B
DIN-rail mounted

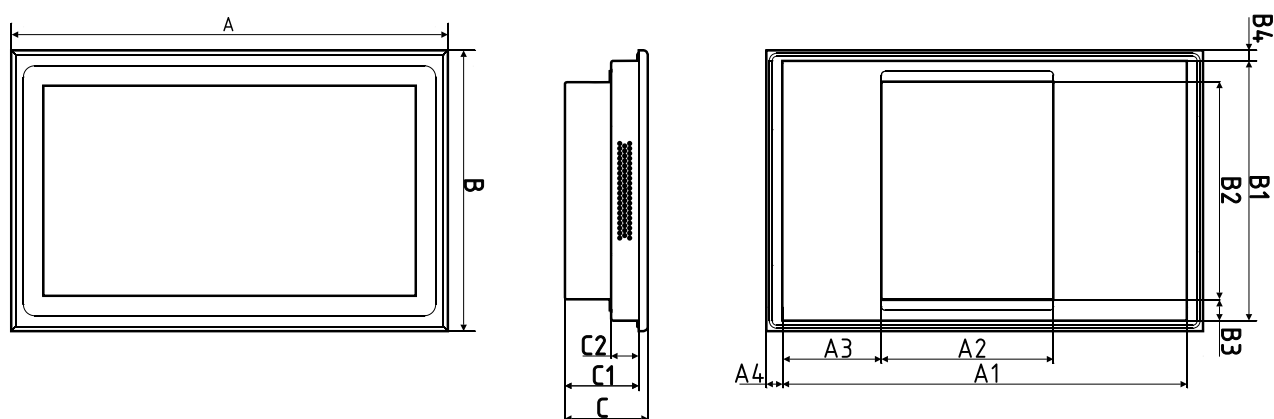


Illustrations are schematic diagrams. Binding dimension drawings and CAD data for specific order numbers at www.tr-electronic.com or on request.

Dimensional Drawings

notion.C

Dimensions see table



notion.C

Dimensions

notion.C (computer)

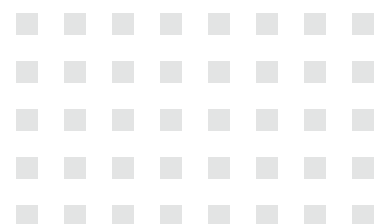
[mm]	A	A1	A2	A3	A4	B	B1	B2	B3	B4	C	C1	C2
7,0 inch	201,1	189,1	185,7	1,7	6,0	126,4	114,4	86,0	26,7	6,0	39,7	36,7	11,7
10,1 inch	284,1	266,0			9,1	191,8	172,0			9,1	59,4	53,1	8
15,6 inch	415	383,4			15,8	268	244,6			11,7	98,8	88,5	
18,5 inch	482,6	455,0	190,0	109,5	18,8	310,3	287,0	240,0	23,5	11,7	56,5	81,5	46,5
21,5 inch	548,5	510			19,3	340,8	323			9	78,8		

TRsystems GmbH

Eglishalde 16
D - 78647 Trossingen

Tel. +49 7425 228-0
Fax +49 7425 228-34

info@trsystems.de
www.trsystems.de



Last update: 09/2018

68-135-022 · TRS-V-PR-GB-0009-03

Subject to technology and design modifications.

Cover photo background: ©kras99/fotolia