



RT25 / RT25-TF

fanless

Industrial Automation - Products & Configurations

RT25 BASIC SYSTEM		POWER [W]
Basic configuration	LCD TFT 4,3" • Touch-Screen • ARM Cortex A8 1 GHz • 1 GB RAM • 256 MB NAND-Flash • 4GB eMMC PsuedoSLC • fanless • Windows Embedded Compact 7 Pro • ASEM System Manager • Aluminum front panel • 12 months warranty	5

RT25-TF BASIC SYSTEM		POWER [W]
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	AL	TF		POWER [W]
OPERATING SYSTEM	•	•	Microsoft Windows Embedded Compact 7 Pro with Datalight Reliance Nitro file system	-
	•	•	No operating system and no ASEM System Manager	-
FRONT PANEL	•	•	Aluminum front panel • ASEM logo sticker	-
	•	•	Aluminum TrueFlat front panel with touch-screen overlaminated with OCA (Optical Clear Adhesive) • ASEM logo serigraph printed	-
PROCESSOR	•	•	ARM Cortex A8 processor • i.MX535 • 1 GHz • 400Mhz memory bus • Soldered on board	
DISPLAY & TOUCH-SCREEN	•		4,3" LCD TFT 16:9 • WQVGA 480x272, 16M colors • backlight LED 400 cd/m2 • Viewing angle L+R/U+L (typ): 130°/90° 4,3" WIDE touch-screen • 4 wires resistive technology • Controller integrated on board	
	•		7" LCD TFT Cut-Out "A" 15:9 • WVGA 800x480, 16M colors • backlight LED 500 cd/m2 • Viewing angle L:R/U:L (typ): 70°:70°/60°:60° 7" WIDE touch-screen • 4 wires resistive technology • Controller integrated on board	+ 2
	•		7" LCD TFT Cut-Out "B" 15:9 • WVGA 800x480, 16M colors • backlight LED 500 cd/m2 • Viewing angle L:R/U:L (typ): 70°:70°/60°:60° 7" WIDE touch-screen • 4 wires resistive technology • Controller integrated on board	+ 2
	•		4,3" LCD TFT 16:9 • WQVGA 480x272, 16M colors • backlight LED 400 cd/m2 • Viewing angle L+R/U+L (typ): 130°/90° 4,3" WIDE touch-screen • 4 wires resistive technology • Controller integrated on board	
	•		7" LCD TFT Cut-Out "A" 15:9 • WVGA 800x480, 16M colors • backlight LED 500 cd/m2 • Viewing angle L:R/U:L (typ): 70°:70°/60°:60° 7" WIDE touch-screen • 4 wires resistive technology • Controller integrated on board	+ 2
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WARRANTY	•	•	12 months on system and its variants	-

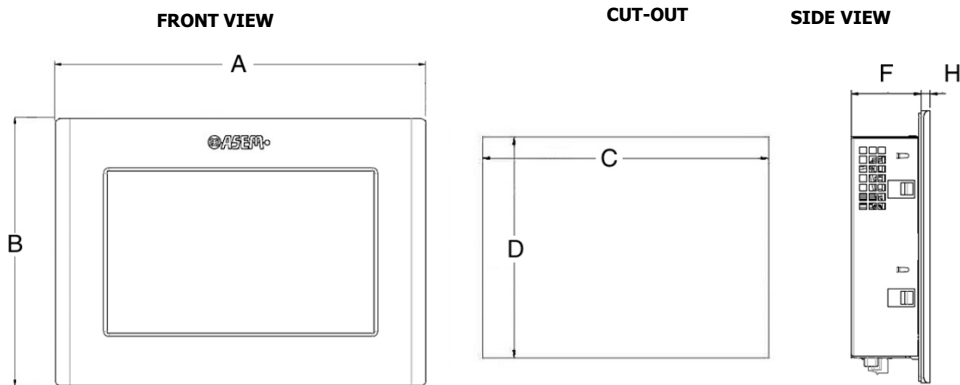
OPTIONS				
	AL	TF		POWER [W]
WARRANTY EXTENSION	•	•	Warranty extension to 18 months on basic system and its variants	
	•	•	Warranty extension to 24 months on basic system and its variants	
	•	•	Warranty extension to 36 months on basic system and its variants	

NOTES
For power consumption calculation we recommend to read the tips on pg. 4. The power values does not include the absorbed power of USB devices connected to the ports.



TECHNICAL SPECIFICATIONS	
Case	Panel mount
Overall dimensions & weight	See details on the related section
Front Panel	ALU Aluminum • ASEM logo sticker
	ALU-TF Aluminum TrueFlat • Polycarbonate Pantone Cool Grey 4C color • ASEM logo serigraph printed
Touchscreen	ALU 4 wires resistive technology • on board controller
	ALU-TF 4 wires resistive technology • overlaminated with OCA (Optical Clear Adhesive) • on board controller
Frontal protection	IP66, Enclosure type 4X (Indoor use only)
Operating System	Microsoft Windows Embedded Compact 7 Pro license with Datalight Reliance Nitro file system • Microsoft olographic sticker
	Optionally can be supplied without operating system
Software	Utility ASEM System Manager • Backup&Restore, Screensaver, Antialiasing, etc • Only with WEC7 O.S.
Power supply	Input voltage 18÷36V DC • Power supply section integrated on board
Motherboard	"All-In-One" type • ASEM R132
Processor	ARM Cortex A8 • i.MX535 • 1 GHz, 400 MHz system memory bus • Soldered on board • GPU (Graphic Processor Unit) integrated
RAM memory	1 GB DDR3-800 • Soldered on board
Mass storage	NAND-Flash 256MB Read-Only • for operating system and runtime
	eMMC (Solid State Disk) 4GB PseudoSLC, 8bit, file system organization • for projects and applications
Rear access interfaces	1 x Ethernet 100 Mbps (RJ45) • 1 x USB 2.0 (Type-A / host)
Rear access serial interfaces	1 x RS-232/422/485 (DB15M) MPI protocol compatible up to 187,5Kbit/s
Environmental specifications	Operating temperature: 0° ÷ +50°C • Storage temperature: -20° ÷ +60°C • Humidity: 80% (non-condensing)
Approvals	CE (EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1) • cULus LISTED (UL508)
Standard warranty	12 months • Warranty management by ASEM headquarters

DIMENSIONS (mm)



CUT OUT "A"

CUT OUT "B"

LCD TFT		CUT OUT "A"				CUT OUT "B"				H	F	Weight (kg)
		A	B	C	D	A	B	C	D			
4,3"	ALU	140	95	131	86	-	-	-	-	5	30	0,7
	ALU-TF	140	95	131	86	-	-	-	-	4	30	0,7
7"	ALU	215	155	204	144	204	147,6	197	140,5	5	40	1,2
	ALU-TF	215	155	204	144	204	147,6	197	140,5	4	40	1,2

CONNECTORS VIEW (4,3")

