



RT40-TF

fanless

Industrial Automation - Products & Configurations

RT40-TF BASIC SYSTEM				POWER [W]
Basic configuration		LCD TFT 7" W • Touch-Screen • Aluminum TrueFlat front panel • ARM Cortex A9 i.MX6 DualLite, 1 GHz • 1 GB RAM • 4GB eMMC PseudoSLC • fanless • 12 months warranty		10
	A	B		
FRONT PANEL	•	•	Aluminum TrueFlat front panel with touch-screen overlaminated with OCA (Optical Clear Adhesive) • ASEM logo serigraph printed	-
PROCESSOR	•	•	ARM Cortex A9 dual core processor • i.MX6 DualLite • 1 GHz • 400Mhz memory bus • Soldered on board	
DISPLAY & TOUCH-SCREEN	•	•	7" LCD TFT 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	
	•	•	8,4" LCD TFT 4:3 • SVGA, 800x600, 256K colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ.): 80°:80°/80°:80°	- 0
	•	•	8,4" touch-screen • 5 wires resistive technology • Controller integrated on board	
	•	•	10,1" W LCD TFT 16:10 • WXGA, 1280x800, 16M colors • LED backlight, 400cd/m2 • Viewing angle L:R/U:L (typ.): 88°:88°/88°:88°	+ 2
	•	•	10,1" W Touch-Screen 16:10 • 5 wires resistive technology • Controller integrated on board	
	•	•	10,4" LCD TFT 4:3 • SVGA, 800x600, 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ.): 80°:80°/70°:70°	+ 2
	•	•	10,4" Touch-Screen 4:3 • 5 wires resistive technology • Controller integrated on board	
	•	•	12,1" LCD TFT 4:3 • SVGA, 800x600, 16M colors • LED backlight, 450 cd/m2 • Viewing angle L:R/U:L (typ.): 80°:80°/65°:75°	+ 4
	•	•	12,1" touch-screen • 5 wires resistive technology • Controller integrated on board	
	•	•	12,1" LCD TFT 4:3 • XGA, 1024x768, 16M colors • LED backlight, 600 cd/m2 • Viewing angle L:R/U:L (typ.): 80°:80°/70°:70°	+ 11
	•	•	12,1" touch-screen • 5 wires resistive technology • Controller integrated on board	
	•	•	12,1" W LCD TFT 16:10 • WXGA, 1280x800, 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ.): 88°:88°/88°:88°	+ 7
	•	•	12,1" W Touch-Screen 16:10 • 5 wires resistive technology • Controller integrated on board	
	•	•	15" LCD TFT 4:3 • XGA, 1024x768, 16M colors • LED backlight, 500 cd/m2 • Viewing angle L:R/U:L (typ.): 85°:85°/85°:85°	+ 13
	•	•	15" Touch-Screen 4:3 • 5 wires resistive technology • Controller integrated on board	
	•	•	15,6" W LCD TFT 16:9 • 1366x768 (HD), 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ.): 85°:85°/80°:80°	+ 8
	•	•	15,6" W Touch-Screen 16:9 • 5 wires resistive technology • Controller integrated on board	
WARRANTY	•	•	12 months	-
OPTIONS				POWER [W]
OPERATING SYSTEM	•	•	Microsoft Windows Embedded Compact 7 Pro (Microsoft olographic sticker) with Datalight Reliance Nitro file system and ASEM System Manager	-
MICROUPS & MRAM	•	•	MicroUPS, with backup function for microinterruptions max 500ms and 512kB MRAM (Magnetic RAM)	+ 9
COMMUNICATION PORTS > note 1	•	•	1 x RS-485 (DB9M) isolated with terminations • Without MPI protocol support	+ 1
	•	•	1 x CAN isolated channel (DB9M) with terminations	+ 1
WiFi & MODEM 3G/4G	•	•	WiFi module, IEEE 802.11b/g/n, 2,4GHz • Modem module, 2G/3G/3G+ EDGE/HSPA	-
WARRANTY EXTENSION	•	•	Warranty extension to 18 month	
	•	•	Warranty extension to 24 months	
	•	•	Warranty extension to 36 months	
NOTES				
The power consumption of the configuration takes into consideration the maximum absorbed power of every component and does not include the consumption of the devices connected to the USB ports.				
1: Communication ports cannot be installed together				

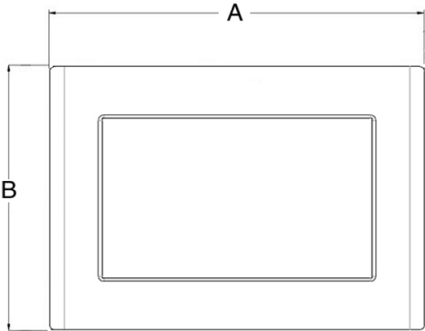
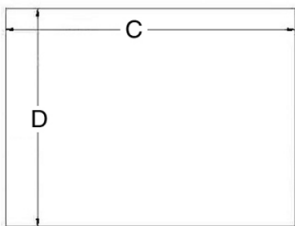
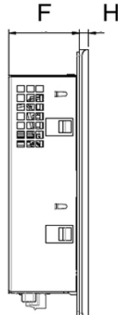


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TECHNICAL SPECIFICATIONS	
Case	Panel mount
Overall dimensions & weight	See details on the related section
Front Panel	Aluminum TrueFlat • Polycarbonate Pantone Cool Grey 4C color • ASEM logo serigraph printed
Touchscreen	resistive 4/5 • overlaminated with OCA (Optical Clear Adhesive)
Frontal protection	IP66, Enclosure type 4X (Indoor use only)
Operating System	Supplied without operating system but optionally can be installed: Microsoft Windows Embedded Compact 7 Pro license with Datalight Reliance Nitro file system • Microsoft olographic sticker
Software	Utility ASEM System Manager • Only with WEC7 O.S.
Power supply	Input voltage 18÷36V DC • Power supply section integrated on board
optional	MicroUPS: backup function for microinterruption with supercapacitors • Max interruption: 500ms • First load: 30" • Rearm time: 15"
Motherboard	"All-In-One" type • ASEM R231
Processor	ARM Cortex A9 dual core • i.MX6 DualLite • 1 GHz, 400 MHz system memory bus • GPU (Graphic Processor Unit) integrated
RAM memory	1 GB DDR3-800 • Soldered on board
Mass storage	eMMC (Solid State Disk) 4GB PseudoSLC, 8bit, file system organization
Retentive memory	optional 512kB MRAM (with MicroUPS)
SD slot	1 x Slot MicroSD integrated on board • external access
Rear access interfaces	2 x Ethernet 10/100/1000 Mbps (RJ45) • 2 x USB 2.0 (Type-A / host)
Rear access serial interfaces	1 x RS-232/422/485 (DB15M) with MPI protocol support up to 187,5Kbit/s
optional	1 x RS-485 isolated (DB9M), without MPI protocol support, or 1 x CAN isolated channel (DB9M)
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 (61010) • ATEX 2014/34/UE Zone 2/22 II 3 G D
Standard warranty	12 months • Warranty management by ASEM headquarters

DIMENSIONS (mm)

	FRONT VIEW				CUT OUT				SIDE VIEW	
										
	CUT OUT "A"				CUT OUT "B"				F	
LCD TFT	A	B	C	D	A	B	C	D	H	Weight (Kg)
7"W	215	155	204	144	204	147,6	197	140,5	4	40 / 48
8,4"	255	190	243	179	-	-	-	-	5	49 / 57
10,1"W	293	201,5	285	193,5	-	-	-	-	5	49 / 57
10,4"	295	230	283	219	-	-	-	-	5	49 / 57
12,1"	325	260	313	249	-	-	-	-	5	49 / 57
12,1"W	321	222,5	313	215	-	-	-	-	5	49 / 57
15"	390	305	378	294	-	-	-	-	6	49 / 57
15,6"	420	265	410	255	-	-	-	-	6	49 / 57

CONNECTORS VIEW

