RT30 / RT31
From 5.7" to 15.6" Wide ARM based Panels

The entry-level panels RT30/31 are based on 1 GHz and 800 MHz ARM Cortex A8 processors and Microsoft Windows Embedded Compact 7 PRO or Linux operating system.

The Linux image is designed for customers developing own applications and/or using Linux version of SoftPLC CODESYS.

The RT30/31 panels are available with 16 million color TFT LED Backlight LCDs, from 5.7" up to 15.6" Wide, 4 and 5 wires resistive touchscreens and Aluminium or Aluminium True Flat front panels.

⊕ Highlights
→ 1 GHz / 800 MHz ARM Cortex A8 processors
→ From 5.7" to 15.6" Wide LCDs
→ Microsoft Windows Embedded Compact 7 PRO / Linux operating system
→ Rear access on-board SD/SDHC slot
→ 1 isolated CAN channel (RT31)
→ MicroUPS (optional)
→ IP66 front panel protection degree
→ CE, cULus LISTED (508) certifications
→ ATEX approval Zone 2/22 (only RT30)

Technical Data

	RT25	RT25-TF	RT30	RT30-TF	RT31	RT31-TF
OS AVAILABLE	Microsoft Windows Embedded Compact 7 Pro					
	Embedded Linux distribution based on Yocto Project					
	No OS					
LED backlight TFT LCD	4.3" - 480x272 7" - 800x480		5.7" - 640x480 7" - 800x480 8.4" - 800x600 10.1" W - 1280x800 10.4" - 800x600 10.1" - 1280x800 12.1" W - 1280x800 12.1" - 800x600 / 1024x768 15.0" - 1024x768 15.6" - 1366x768		7" - 800x480 8.4" - 800x600 10.1" W - 1280x800 10.4" - 800x600 12.1" W - 1280x800 12.1" - 800x600 / 1024x768 15.0" - 1024x768 15.6" - 1366x768	
TOUCHSCREEN	Resistive 4 wires		Resistive 4 wires for 5.7" and 7"			
			Resistive 5 wires for other sizes			
FRONT PANEL	Aluminium	Aluminium True Flat	Aluminium	Aluminium True Flat	Aluminium	Aluminium True Flat
PROTECTION GRADE	IP66, Enclosure type 4x - front					
PROCESSOR	ARM Cortex A8 processor Freescale® i.MX535 1 GHz				ARM Cortex A8 processor Freescale® i.MX537 800 MHz	
SYSTEM MEMORY - RAM	1 GB with DDR3 chips soldered					
MASS STORAGE	256 MB Read-Only NAND-Flash for operating system and runtime					
	4 GB eMMC (Solid State Disk) 8 bit, file system organization for projects and applications					
	-		1 x Slot SD/SDHC v2.0			
LAN	LAN1 EtherNET 100 Mbps (RJ45)		LAN1Ethernet 100 Mbps (RJ45)			
			LAN2 Ethernet 10/100 Mbps (RJ45)			
USB	1 x USB 2.0 (Type-A, rear)		2 x USB 2.0 (Type-A, rear)			
SERIAL	1 x RS-232/422/485 (DB15M)					
FIELDBUS	-				1 x CAN isolated channel (DB9M) with FlexCAN integrated controller	
POWER SUPPLY UNIT	24VDC				24VDC isolated	
	-		Backup for microinterruption, max 500ms, with supercapacitors (optional)			
OPERATING TEMPERATURE	0°- 50°C					
APPROVALS	CE, cULus LISTED (508)		CE, cULus LISTED (508), ATEX zone 22, 11 3 D	CE, cULus LISTED (508), ATEX zone 2/22, 11 3 G D	CE, cULus LISTED (508)	