LA SEMAFORICA

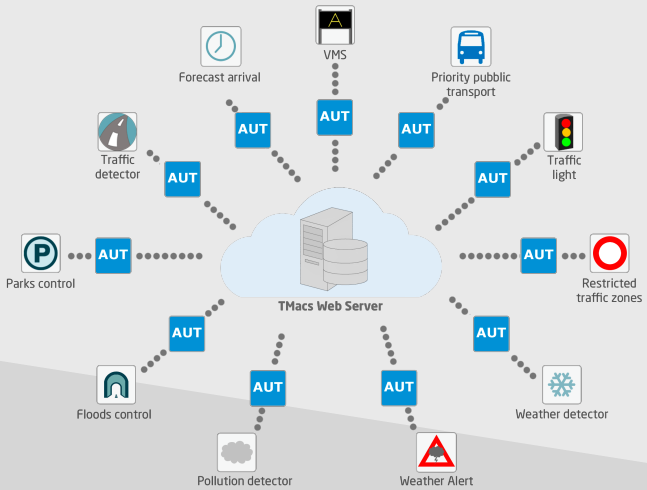
AUT

Arm Unit Transfer

GENERAL CHARACTERISTICS

Arm Unit Transfer is the peripheral device designed for controlling equipment used in traffic management and monitoring. AUT acts as the peripheral manager of traffic light controllers within the TMacs ITS Platform, allowing the control center to be released from the specific management of traffic control devices while providing uniform options for connectivity and remote control across all of them.

Equipped with a powerful 1 GHz ARM CPU, it enables interfacing with any traffic light controller via Ethernet port, serial communication, or appropriately programmed I/O. Arm Unit Transfer also enables the integration of variable message signs, traffic detection stations, parking management systems, restricted traffic zone (ZTL) gates, environmental and weather monitoring systems, traffic light priority systems, and more.



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TECHNICAL SPECIFICATIONS

Hardware	CPU	CPU ARCH ARM a 1GHz Cortex-A8
	PRU	PRU-iCSS Programmable Real-Time Unit 200 MHz
	Video Out	HDMI resolution 1280 x 1024 max (microHDMI)
	Power Connectors	MiniUSB, USB, jack female d.c.
	LED	4+1 for functions
	Temperature	-40°C /+70°C
	Power	8 - 28 VDC, <2 VA
	Meccanic	Inserted on DIN bar
	Dimensions	Standard DIN 9 modules
Memory	SDRAM Memory	512 MB 800 MHz DDR3L
	Flash	eMMC 4 GB 8 bit
	SD	MicroSD Slot
Interfaces	Serial ports	1XRS485, 3X RS232
	USB	HS USB 2.0 Client Port, LS/FS/HS USB 2.0 Host Port
	I2C	Bus for sensor
	Real time clock	Battery backed real time clock ± 5 ppm precision
	LAN	Ethernet 10/100
	GPRS,3G, 4G	Optional
	Bluetooth, Wifi	Optional
IO	Analog Input	4 Analog inputs 0-10 VDC/4-20 mA
	Opto Isolated Input	4 Opto inputs 12-24 VDC
	Digital IO	14 0-3,3 VDC
	Relay Outputs	2 NO-NC; 2 NO 3A@24 VDC 3A@120 VAC
	Opto Isolated Outputs	4 Opto outputs 200 mA@24 VDC
Software	Configuration	Web interface
	Upgrade	ETHERNET/WLAN and GPRS
	Operating system	Linux 3.8 Kernel
	Web server	Web server inside to communicate directly or connection via LAN
Supported devices	Traffic light controller	
	VMS	
	Traffic detectors	
	Weather detectors	
	Park control	

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