

OT600

OT600 is an extremely compact fanless panel PC with LCD display from 6.5" to 12.1", also touchscreen. It uses Compact Flash and SSD for data storage and allows the installation of NETcore® X communication cards. The integration with Premium HMI 4 software platform and CODESYS SoftPLC allows the creation of visualization and control applications.

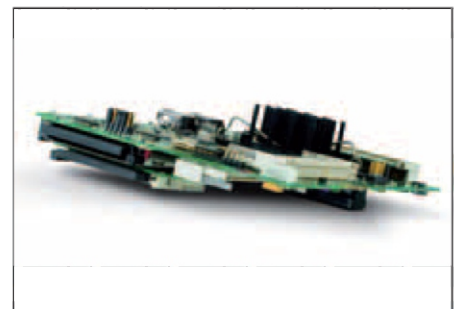


Photo 1: 2 Slots for Compact Flash


Photo 2: Plant supervision with Premium HMI

Photo 3: 2 MiniPCI slots

FEATURES PLUS

- ✓ HARDWARE SUPPORT FOR 187 KBIT/S MPI PROTOCOL (SIEMENS S7-300/S7-400)
- ✓ 2 CFS FOR OPERATING SYSTEM AND DATA STORAGE
- ✓ SUITABLE FOR VISUALIZATION AND CONTROL OF SMALL SYSTEMS
- ✓ 2 MINIPCI SLOTS FOR ADDITIONAL CARDS

HMI600
OT600+Premium HMI
See p.14

System characteristics					
Display	Size	6,5"			
	Type	Color LCD TFT			
Touchscreen Optional	Resolution	640 x 480 (VGA)			
	Colors	256K			
	Pixel pitch	0,207 x 0,207mm			
	Backlight	LED			
	Luminance	800cd/m ²			
	Contrast	600:1			
	Viewing angle L:R/U:L (typ.)	80°:80°/70°:70°			
	Lifetime (min.)	50.000h			
	Motherboard	Technology	4 wires – analog - resistive		
		Light transmission	80% ±2%		
Lifetime		35mln activations			
Linearity deviation		< 1 %			
Interface		Serial			
CPU	Glass Film Glass	No			
	Model	All-in-one, ASEM MB831-V			
Graphic	HW monitor	Temperature monitor			
	Watch-dog	Time programmable			
	Processor	AMD LX800 500MHz			
System memory	Cache	128KB L2			
	Socket	Soldered on board			
Serial interfaces	Controller	Integrated on board			
	Memory	Shared - 2MB÷128MB system selectable			
Ethernet interfaces	Type	DDR PC2700			
	Size	512 MB, 1 GB			
	Socket	1 x SODIMM module			
USB interfaces	Type	1 x RS232 (DB9M)			
	UART	16550 compatible (FIFO 16 byte)			
	Transfer rate	115Kbps max			
	Optoisolation	No			
Compact Flash slots	Type	1 x RS-232/422/485 (DB15M) / compatible MPI 187Kbit/s (Siemens S7-300/S7-400)			
	UART	16550 compatible (FIFO 16 byte)			
	Transfer rate	115Kbps max			
	Optoisolation	No			
Expansion slots	Type	1 x 10/100Mbps (RJ45)			
	Controller	Intel 82551QM			
Mass storage interfaces	Type	2 x USB 2.0 (rear, TYPE-A, host port, protected), 1 x USB 2.0 (front, TYPE-A, host port, protected)			
	Transfer rate	Up to 480Mbit/s (high speed)			
Battery	Type	1 x Type II (external access)			
	Removable	1 x Type II (internal access)			
Buttons, leds and keys	Parallel	1 x ATA/66 Master/Slave (dedicated for CF Slots)			
	Type	2 x MiniPCI type III			
Environmental characteristics	Type	½AA Lithium (3.6V)			
	Lifetime	5 years			
Warranty & Approvals	Reset button	Yes			
	LEDs	Power			
Electrical characteristics					
Power supply	Type	AT, Integrated on board, auto ranging			
	Input voltage	9÷36 VDC			
	Power consumption	10W – 13W basic configuration (without add-on)			
Mechanical characteristics					
Case	Type	Panel mount			
	Material	Steel, nickel treatment			
Front panel	Protection	IP65			
	Construction	Aluminum alloy			
Measurements mm	6,5"	Dimensions (W x H x D)	Cutout (W x H)	Weight (Kg)	
		201 x 168 x 68	176 x 149	1,6	
Environmental characteristics					
Temperature	Operation	0° ÷ +50°C			
	Storage	-20° ÷ +60°C			
Humidity	Operation/Storage	80% (non-condensing)			
Warranty & Approvals					
CE	Emission	Conforms to EN 55022 Information technology equipment – Radio disturbance characteristics Conforms to EN 61000-3-2 – Limits for harmonic current emissions Conforms to EN 61000-3-3 – Limits of voltage fluctuation and flicker			
	Immunity	Conforms to EN 55024 Information technology equipment – Immunity characteristics Conforms to EN 60950-1 – Information technology equipment – Safety			
UL	Safety	 Conforms to UL-60950-1 – Information technology Equipment - Safety 2090306-E315863			
	Certificate N°				
Warranty	Management	By ASEM headquarters			
	Standard	12 months			
	Extended	18 / 24 / 36 months (optional)			