



**Industrial Automation - Products & Configurations**

**OT600 BASIC SYSTEM**

Basic configuration	LCD TFT 6.5" • Touch-Screen • AMD Geode LX800 500 MHz • 512 MB RAM • fanless • 12 months warranty	↓
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<b>PROCESSOR</b>	AMD Geode LX800 • 500 MHz, 400 MHz front side bus, 128 KB cache L2 • Soldered on-board	↓
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<b>DISPLAY</b>	6,5" LCD TFT 4:3 • VGA, 640x480, 256K colors • backlight LED, 800 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/70°:70°	↓
	8,4" LCD TFT 4:3 • SVGA, 800x600, 256K colors • backlight LED, 400 cd/m2 • Viewing angle L:R/U:L (typ): 60°:60°/45°:55°	↓
	12,1" LCD TFT 4:3 • SVGA, 800x600, 256K colors • backlight LED, 500 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/80°:60°	↓

<b>TOUCH-SCREEN</b>	No Touch-Screen	-	↓
	6,5" Touch-Screen • 4 wires resistive technology • Controller integrated on board	no	↓
	8,4" Touch-Screen • 5 wires resistive technology • Controller integrated on board	no	↓
	12,1" Touch-Screen • 5 wires resistive technology • Controller integrated on board	yes	↓

<b>RAM MEMORY</b>	512 MB • DDR SODIMM (1 module) • PC2700	↓
	1 GB • DDR SODIMM (1 module) • PC2700	↓

**OPTIONS**

<b>COMPACT FLASH</b>	Second Compact Flash slot, type II • internal access	↓
	Compact Flash UDMA (SLC)	↓

<b>WIRELESS</b>	Wireless LAN Kit with USB interface (IEEE 802,11b/g) • data rate max 54Mbps • WEP 128bit	↓
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<b>I/O BOARDS</b>	8+8 channels DIN/DOUT optoisolated MiniPCI board • For technical details and supported drivers see pg.173 > <b>note 2</b>	↓
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<b>ETHERNET</b>	Second Ethernet 10/100bps port on MiniPCI card • For technical details and supported drivers see pg.173 > <b>note 2</b>	↓
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<b>FIELDBUS</b>	NETcore® X MiniAPCI fieldbus module • For technical details and supported drivers see pg.169 > <b>note 2</b>	↓
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<b>MPI</b>	Adapter cable from DB15F to DB9F (MPI/PPI) > <b>note 3</b>	↓
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<b>WARRANTY EXTENSION</b>	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**

- 1:** Glass Film Glass (GFG) touch-screen option: see pg.167 for the differences with standard touch-screen configuration
- 2:** Boards with MiniPCI / MiniAPCI bus cannot be installed together
- 3:** Systems ensure MPI communication on RS485 at 187Kbit/s without additional hardware ONLY with PHMI runtime (v3.0.1101 or above) MPI driver for Win CE 6.0
  - MPI protocol supports communication with SIEMENS S7-300 and S7-400 compatible devices, it doesn't support communication with SIEMENS S7-200 compatible devices • The cable adapts DB15F (RS485) connector on the system to the standard DB9F (MPI/PPI) connector.



TECHNICAL SPECIFICATIONS	
Case	Panel mount
Overall dimensions & weight	See details on the related section
Front panel	Aluminum
Frontal protection	IP65
Power supply	Input voltage 9÷36V DC • Power supply section integrated on board
Motherboard	"All-In-One" type • ASEM 831-V
AMD platform	Processor AMD Geode LX800 • 500 MHz, 400 MHz front side bus, 128 KB cache L2 • Soldered on board
Operating System	O.S. certified by ASEM Microsoft Windows XP 32bit • Windows 2000 • Windows 98 • Microsoft Windows Embedded Standard 2009 (XPe SP3) 32bit • Windows XPe SP2 32bit • Microsoft Windows CE 6.0 Pro • Windows CE 5.0 Pro / Pro Plus Other operating systems, such as Linux, VxWorks, QNX, etc., have not been certified by ASEM but they are reasonably supported by the Intel platform after verification of compatibility
	O.S. not supported by AMD platform Microsoft Windows 7 32/64bit
Video controller	Integrated on-board with LVDS 6bit/color digital I/F
Video RAM	shared 2 / 128 MB selectable in system setup
System memory	DDR type • 1 SODIMM module • PC2700 • min 512MB • max 1GB
Mass storage interfaces	1 x ATA/66 (Master, Slave) integrated on-board
Compact Flash Slots	1 x Compact Flash slot Type II integrated on-board with external access (plus an optional one, internal access)
Bus expansions slots	2 x MiniPCI type III
Frontal access interfaces	1 x USB 2.0
Rear access interfaces	1 x Ethernet 10/100 Mbps, (RJ45) • 2 x USB 2.0
Rear access serial interfaces	1 x RS-232 (DB9M) • 1 x RS-232/422/485 (DB15M) / MPI 187Kbit/s compatible > <b>note 3</b>
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) • cJURus (60950-1)
Standard warranty	12 months • Warranty management by ASEM headquarters

**DIMENSIONS (mm)**

**FRONT VIEW**

**CUT-OUT**

**SIDE VIEW**

  

LCD TFT	A	B	C	D	F	G	H	Weight (Kg)
6,5"	201	168	176	149	62	0	6	1,6
8,4"	240	202	213	179	52	15	6	2,2
12,1"	321	262	292	239	52	15	6	3,2

  

**CONNECTORS VIEW**