

Date 5/20/2005

To **ESA Technology Sales**  
From **ESA Technology Marketing**  
Re **XS: new series of Embedded PC**

## Embedded PC

### XS585 - XS595

These new products based on PC technology with Celeron family processors which are powerful, scalable and economical in terms of energy consumption. They offer wide-ranging connectivity thanks to standard PC interfaces, including Ethernet. Furthermore, the Windows® XP Embedded guarantees compatibility with applications used on PCs.

The architecture has been specially designed for industrial environments, where use of rotating parts in particular like hard disks and fans are not recommended. These products do not require cooling fans and use an internal Flash as mass memory, thereby minimizing the need for maintenance.

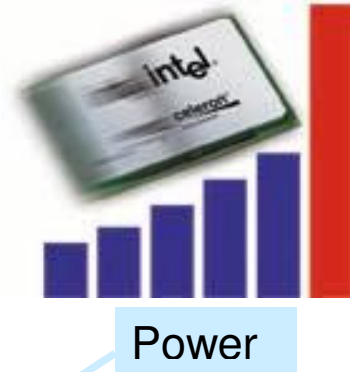


## “Nothing succeeds like XS”



## New architecture:

- New family of processors with increased power
  - Intel® Celeron® 400 MHz
  - Intel® Celeron® 650 MHz
- Same technical characteristics and interfaces for all three models whose only differences are in their dimensions and display type
- PCI bus with 1 slot available for the user
- Mass memory expansion on Compact Flash or CardBus slots
- Windows® XP Embedded operating system
- Ethernet 10/100 On-board



## Reliability

### Top-level reliability:

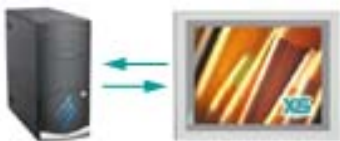
- No fans and no rotating parts
- Solid state mass memory - no hard disk reliability problems
- Requires no maintenance

## Greater flexibility:

- The architecture provides for the possibility of extending the RAM memory and the mass memory and increasing the power of the processor to make the product comparable with a PC



## Flexibility



## Compatibility

### Complete compatibility with PCs:

- The XP Embedded operating system also ensures compatibility with PC applications



## Specifications:

	XS585	XS595
<b>Display</b>		
Type	TFT Graphic LCD 65K colors	
Touch screen	Analog	
Back lighting	CCFL	
Minimum lamp life at 25°C (in hours)	30.000	50.000
Resolution in pixels (h-v) / inches	640x480 (10,4")	800x600 (12,1")
<b>Processor Characteristics</b>		
CPU	Intel® Celeron®400, 650 MHz (Fanless)	
<b>System memory</b>		
RAM (byte)	128 - 256 - 512 M	
Flash array (byte)	256 - 512 - 1024 M	
<b>Interfaces</b>		
Standard serial port	RS232	
Parallel	Bidirectional	
USB port	V. 1.1	
PS/2 mouse port	1	
PS/2 keyboard port	1	
Slot CardBus (for Compact Flash)	1	
Slot PCI	1	
<b>Networks</b>		
Integrated	Ethernet 10/100 Mbit – Rj 45	
<b>Dimensions</b>		
External (LxAxP) mm	336,3x256x93	
Cut-out (LxA) mm	314x240	
<b>Clock</b>		
Hardware Clock	With battery	
<b>Technical data</b>		
Power supply / power consumption (24Vcc)	18...32 Vcc / ~25 W	
Protection level	IP65 frontal	
Working temperature (°C)	0...+50	
Storage/transport temperature	-20...+65	
Humidity (non-condensing)	< 85%	
Weight Kg.	~ 3,8	
Certificates of approval	CE	

ESA Technology reserves the right to make changes in the above without prior notice



## Prices and sales codes

Codes and descriptions of XS	
XS5x5XPxTxxx	To find out list price and the order code of the configuration chosen, consult our website <a href="http://www.esatechnology.com/distributor">www.esatechnology.com/distributor</a>

Codes and descriptions of XS accessories		\$
VT5 BATTERY	Lithium 3,6V battery, essential for clock and system data	15
PROTFILM10	Transparent adhesive protection foil for Touch Screen 10" (XS585). 5 pieces pack	75
PROTFILM12	Transparent adhesive protection foil for Touch Screen 12.1" (XS595). 5 pieces pack	100

Operating System for XS Series		\$
XSSYSWINXPEEN01	XP Embedded Operating System Basis Version (256 MB flash), English	200
XSSYSWINXPEEN02	XP Embedded Operating System Extended Version (512 MB flash), English	200
<i>NOTE: Other requests of a customized image with standard XP Embedded modules will be priced on a case by case basis</i>		

**Availability: Immediate**

ESA Technology  
 Brian Jaeger  
 Application Engineer

