

## DuraFLEX – the concept.



**DuraFLEX** is a modular concept, designed to build hardware for harsh environments within industry, marine and naval / military.

- One program – 1000 user-defined solutions.
- Simplicity in operation.
- Modularity & concept expandability.
- Long build-state (product lifetime).
- Long up-time and less service.

The **DuraFLEX** “family” consists of **DuraPC**, **DuraMON** and **DuraPANEL**.

- **DuraPC** is a rugged compact black box PC, featuring mobile processors and build using ISiC's unique cabinet and heat-management technology.
- **DuraMON** are monitors based on DuraFLEX displays-modules and DuraFLEX monitor interface-boxes.
- **DuraPANEL** are panel-PCs based on DuraFLEX displays-modules and DuraPCs.

# Specifications

## DuraPC

<b>CPU:</b>	Intel® Celeron® M Processor from 1.3 GHz - 400MHz FSB, 512kB L2 <i>Intel® Pentium® M Processor up to 1.8GHz – 400MHz FSB, 2M L2 (Optional extra)</i>
<b>Chipset:</b>	Intel® 855GME - 400 MHz FSB
<b>Memory:</b>	512MB PC2100/2700 DDR SDRAM (Standard) <i>1GB PC2100/2700 DDR SDRAM (Optional extra)</i>
<b>Hard Disk Drive:</b>	40GB rotating SATA 24/7 rated <i>Larger rotating drive, SATA FLASH-drive, CF card drive (Optional extra)</i>
<b>Video:</b>	On-board Intel® Extreme Graphics 2 controller, VGA out 15-pin DSUB
<b>Audio:</b>	On-board AC97 Codec, Line out, Line in, Mic in (3.5mm jack socket)
<b>Ethernet:</b>	On-board 3x 10/100/1000 Mbit/s LAN
<b>Ports:</b>	2x PS2, 2x RS-232 9-pin DSUB, 1x parallel 25-pin DSUB
<b>USB:</b>	4x USB2.0 ports (2 accessible on PC and 1 from DuraPANEL front)
<b>Expansion Slots:</b>	2x full-size PCI (optional PCI expansion module)

## DuraMON / DuraPANEL front

<b>Display sizes:</b>	15-17-19 and 20.1 inch LCD (TFT)
<b>View angle:</b>	80° - 89° (L/R/T/B) (typical)
<b>Luminance:</b>	300 Cd/m <sup>2</sup> – 450Cd/m <sup>2</sup> (typical)
<b>Contrast ratio:</b>	700:1 – 1300:1 (typical)
<b>Front glass:</b>	Anti glare impact resistant safety glass
<b>Protection:</b>	IP65 (flush mount)
<b>Touch:</b>	3M MicroTouch™ ClearTek™ II Capacitive (Optional extra)

## DuraMON I/O

<b>Video inputs:</b>	RGB, DVI <i>Extra DVI, RGB (in/out), Super VHS, Composite video (Optional extra)</i>
<b>Control inputs:</b>	1x RS232 + 2x RS485 – for remote control / daisy-chain. 1x RS232 – 9600 for touch.
<b>Audio:</b>	Line in, 3.5mm jack socket

## Power Supply Options DuraFLEX

<b>Standard:</b>	90-264Vac. 50-60Hz Input
<b>Automotive:</b>	18-36Vdc Input

## Environmental Conditions DuraFLEX

<b>Operating Temperature:</b>	-15 to 55 °C
<b>Storage Temperature:</b>	-25 to 70 °C
<b>Relative Humidity:</b>	8 to 90 %

## Approvals DuraFLEX

<b>CE Mark:</b>	EN61000-6-2 & EN61000-6-4
<b>Marine:</b>	IACS E10 & IEC 60945 Ed. 4

## Physical Dimensions DuraFLEX

<b>DuraPC:</b>	330x334x72mm, (330x334x122mm with PCI expansion module)
<b>DuraMON / DuraPANEL front:</b>	Size dependend - please se separate product-sheet.
<b>Weight DuraPC:</b>	DuraPC app. 6 kg – Fronts app. From 5 to 25 kg (size dependend)
<b>Weight DuraMON / FuraPANEL front:</b>	Size dependend – please se separate product sheet
<b>Brackets:</b>	For horizontal and vertical mounting