

## 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

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

## DuraMON / DuraPANEL front

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

## DuraMON I/O

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

## Power Supply Options DuraFLEX

- Standard:** 90-264Vac. 50-60Hz Input
- Automotive:** 18-36Vdc Input

## Environmental Conditions DuraFLEX

- Operating Temperature:** -15 to 55 °C
- Storage Temperature:** -25 to 70 °C
- Relative Humidity:** 8 to 90 %

## Approvals DuraFLEX

- CE Mark:** EN61000-6-2 & EN61000-6-4
- Marine:** IACS E10 & IEC 60945 Ed. 4

## Physical Dimensions DuraFLEX

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