

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 <i>Intel® Pentium® M Processor up to 1.8GHz – 400MHz FSB, 2M L2 (Optional extra)</i>
Chipset:	Intel® 855GME - 400 MHz FSB
Memory:	512MB PC2100/2700 DDR SDRAM (Standard) <i>1GB PC2100/2700 DDR SDRAM (Optional extra)</i>
Hard Disk Drive:	40GB rotating SATA 24/7 rated <i>Larger rotating drive, SATA FLASH-drive, CF card drive (Optional extra)</i>
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 ² – 450Cd/m ² (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 <i>Extra DVI, RGB (in/out), Super VHS, Composite video (Optional extra)</i>
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