

## DuraPANEL 12,1”



DuraPANEL panel PC's are designed for rugged industrial applications, and features:

- Wide temperature range
- Vibration resistance
- High reliability, less down time & service
- High degree of flexibility
- Easy to install
- Rigid mechanical design
- Low Power consumption
- Approved for Bridge use
- Intel® Celeron® Processor 2980U
- Up to 16GB DDR3L RAM
- Quad Gb LAN
- Cool operation thermal design
- Dual DC PSU
- Pcap Touch
- Ambient Light sensor

# Specifications

## DuraPANEL - General

---

<b>CPU:</b>	Intel® Celeron® Processor 2980U (2M Cache, 1.60 GHz) (2 Cores / 2 Threads)
<b>Memory:</b>	2 x SODIMM sockets with 1x 4GB DDR3L 1600MHz mounted <i>Up to 16GB DDR3L SODIMM</i>
<b>Primary Disk Drive:</b>	80GB Intel® S3500 SSD SATA <i>Optional sizes 120GB / 340GB SSD SATA</i>
<b>Optional Secondary Disk Drive (Removable):</b>	80GB Intel® S3500 SSD SATA (optional) <i>Optional sizes 120GB / 160GB / 240GB / 300GB ... 800GB SSD SATA</i>
<b>Video:</b>	Intel® HD Graphics controller on-CPU <i>DirectX* 11 and OpenGL 4.0 compliant Dual Independent display capable</i>
<b>External Video out:</b>	1 x DVI-I video output connector
<b>Audio:</b>	Built-in Buzzer (75-85 dB(A) / 1m)
<b>Ethernet:</b>	4 x 10/100/1000 Mbits/s Ethernet LAN on-board, (RJ45) with auto-negotiate <i>1 x Intel® I218 and 3 x Intel® I210AT</i>
<b>USB:</b>	4 x USB 3.0 (max 0,5 Amp per USB, max 5 Watt total)
<b>COM:</b>	1 x RS232/422/485 (configurable)
<b>OS:</b>	Windows 7, Windows 8, Windows 10, Linux

## DuraPANEL - Front

---

<b>Display size:</b>	12,1 inch 16:10 LCD (TFT), MVA technology
<b>Resolution:</b>	1280 x 800
<b>Active area:</b>	261 x 163 mm
<b>View angle:</b>	88° (T/B), 88° (L/R) (typical)
<b>Luminance:</b>	400 Cd/m <sup>2</sup> (typical) <i>Optional Ambient light sensor</i>
<b>Contrast ratio:</b>	1000:1 (typical)
<b>Touch:</b>	Pcap multi touch (internal USB interface)
<b>Front glass:</b>	Anti Reflection
<b>Protection:</b>	IP56 (from front, when mounted) IP22 (from rear)

## DuraPANEL - Power

---

<b>Standard:</b>	18-34VDC Dual Galvanic isolated
<b>Power Consumption:</b>	P <sub>typ</sub> = 20 Watts, P <sub>max</sub> = 25 Watts

## DuraPANEL - Environmental

---

<b>Operating Temperature:</b>	-15 to +55 °C
<b>Storage Temperature:</b>	-25 to +70 °C
<b>Relative Humidity:</b>	8 to 95 % (non-condensing)

## DuraPANEL - Approvals

---

<b>Marine:</b>	IACS E10 Rev. 6 & IEC 60945 Ed. 4
<b>Certificates:</b>	MR certificate <i>For marine class approvals – see <a href="http://www.isic-systems.com">www.isic-systems.com</a></i>

## DuraPANEL - Dimensions

---

<b>Size:</b>	313 mm (W) x 217 mm (H) x 72 mm (Depth behind bezel)
<b>Weight:</b>	App. 4 kg.
<b>Optional Bracket:</b>	Desk/ceiling-and wall-bracket (VESA 75x75mm)