EPCOTS
Groupe MontBlanc Technologies

Digitalis
Monitoring and touch solutions

DI-PP21/21" Rugged Panel PC

The DI-PP 21 is a highly rugged 21" panel designed for army vehicles and harsh navy environment. Rugged to survive severe environments, it will not be affected by heat, sand, dust, water spillage and shock. Designed around a 21.5" HD LCD and a Multi Core ULV CPU, the rugged panel is proposed in various configurations to address most field applications.

Navy and Marine Applications

Ground shelter - Army

Imaging and Navigation

Information and Command System

Control and Communication

Industrial Process

KEY POINTS

- Quality display (high contrast ratio, high brightness)

- Non-reflective coated glass, optical quality 92%

- Durable aluminum packaging (shock and vibration resistant)

- Typical product availability : 8 to 10 years

- Locking MIL type cylindrical connectors

- Scalable computer configuration with I7 standard

- Network interface

OPTIONS

- Weatherproof mounting

- Touch screen (IR, Resisitive, PCAP)

- EMI, as per MIL STD 461

- Custom colors

- I/O (USB, SERIAL, VIDEO, ETC.)

- Mounting interface

PCAP option not compatible with some environmental requirements
Consult EPCOTS for details

www.epcots.fr

CONFIGURATIONS

- Display module:	Color active matrix TFT 21.5"
- Resolution:	1920 x 1080
- Brightness:	250 cd/m2
- Contrast ratio:	5000:1
- Dot pitch:	0.248 mm
- Viewing angle:	178°/178°
- Response time:	25 msec (Tr+Tf)
- Display color:	16.7M
- Active display area:	477 mm x 268 mm

EXAMPLE OF THE SUGGESTED SOLUTIONS

- Operating System:	Linux / Windows OS
- Processor:	I7, dual-core processor
- Memory:	Minimum 4 GB of RAM
- Touch Panel:	5 wire resistive armored touch sensor
- Audio:	Integrated audio (sound card and speakers)
- I/O:	External USB port (optional)
Case Structure:	Ruggedized aluminum
- Cooling:	Fan less configuration
- Mounting Structure:	Versatile bulkhead mounting on rear of display and bezel edge mounting points
- Storage:	250 GB HDD (optional)

CONTROLS

- On Screen Display :	Front panel backlit keyboard
- Touch sensor:	Optional (resistive, IR, PCAP*)

PHYSICAL FEATURES

- Monitor dimensions:	581mm (W) x 368mm (H) x 106mm (D)
- Monitor weight:	9 Kg
- Standard color:	Black fine texture semi gloss
- Mechanical standard:	Rear mount - M8 screws (x4)

ELECTRICAL FEATURES

- Power supply:	115 VAC, 60 Hz - DC input available
- Power consumption:	90 W (typical, based on configuration)
- Power Input Connector:	MIL 38999 locking

ENVIRONMENTAL CONDITIONS

- Operating temperature:	-10°C to +55°C (MIL STD 810)	- Shock:	30 G, 11 ms (MIL STD 810, MIL STD 901 optional)
- Storage temperature:	-30°C to + 70°C (MIL STD 810)	- Vibration:	1 mm, 1G - [4-55Hz] (MIL STD 810E, MIL STD 167)
- Humidity:	95%, non-condensing (MIL STD 810)	- Front Panel protection:	IP65

afaq
ISO 9001
Qualité
AFNOR CERTIFICATION