

ARTEMIS 2G 12"

The new generation of the ruggedized tactical terminal proposed by ATERMES



Key Features:

- Adaptable to every specific need
- State of the art CPU power
- Designed to meet harshest environments such as tropical ones, tracked vehicles..
- VIDEO Frame grabber, optional
Communication CPU board
- High quality sunlight readable screen with 24 bits/color pixel dynamic allowing an optimal B&W video display
- Sturdy and adaptable



ARTEMIS flexibility makes it possible to use it for a various kind of military, paramilitary and industrial missions.

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Overview:

CPU:

- Windows family, 32 or 64 Bits, Linux
- Processor: Intel ULV Core i7 3517UE-1,7GHz, 17W Dual Core
- RAM Memory : 4 GB DDR3 1,6 GHz (up to 8 GB)
- Chipset: Intel QM77
- GPU HD4000
- DirectX 11, Shader Model 5.0 - 80 GFLOPs SP
- OpenGL 3.1 and OpenCL 1.1

Screen:

- TFT LCD
- Dimension: 12''1
- Resolution: 1024 x 768
- Brightness: 1000 cd/m2
- Contrast: 700:1
- Angle vision: H160° / V130°
- Backlight: LED
- Interface LVDS

Storage unit:

- Flash (Solid state) : 64 GB (up to 256 GB)

Tactical interfaces:

- 2 Ethernet ports 10/100/1000 Mb/s
- 2 SATAII and 1 SATAII CFast
- 4 USB ports 2.0
- 4 RS232/RS422
- 1 Mini PCIe

MMI:

- Resistive touch screen
- Interface card control/Command:
 - 1 ON/OFF button
 - 1 secret mode button
 - 1 switch video button
 - 2 buttons for brightness

Physical Specifications:

- Dimensions: 318 x 280 x 86
- Weight: 7 Kg
- Aluminium housing
- Power supply card 24V / MIL STD 1275B
- Connectors: Bernier for the security stick and 38999 series for other I/O

Environment:

Climatic - MIL-STD-810F:

Temperatures:

- In operation: -32°C to +70°C
- In storage: -40°C to +70°C

Wet heat: +60°C, 95%

Saline fog: +35°C, 5% NaCl, 6,5<pH<7,5

Immersion: 0,3m depth during 1 hour

Thermic shocks: depressurization, device OFF, in case of a parachuting.

Mechanical :

Vibrations: 5-500 Hz, on 3 axis, 1h/axis (operating) and 2h/axis (non operating)

Shocks: half sine 30 g/11 msec, 3 shocks per axis and direction.

Electromagnetic:

Mass continuity: lower than 2,5 mOhms

Emitted conduction: GAM EG13, A1 gauges of booklet 62, C1 tests and C2. STANAG 4370, tests NCE02 and NCE05.

Emitted radiation: GAM EG13, A1 gauges of booklet 62, R1 tests. GAM EG13, A1 gauges of booklet 62, R3 tests. STANAG 4370, tests NRE02 .

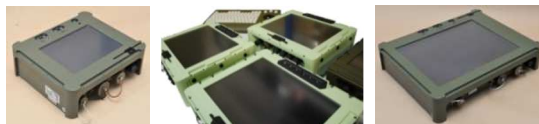
Susceptibility in conduction: GAM EG13, tests 61-C1 (A), C2 (A), C3, and C4.

Radiation susceptibility: GAM EG13, tests 63-R1 and R3. STANAG 4370, tests NRS02.

Qualification:

Tracked vehicles, light and heavy:

STANAG 4370, AETCP400, method 401, annex B401, figure B4.



The complete range of ARTEMIS 2G family: 8'', 12'' and 15''

« the only tactical ruggedized PC that can follow you everywhere you go...
...even where you can't go »

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