

TETRA M230 N[®]

ELEGANT AND ULTRA-SLIM TETRA M230 PROVES

RUGGED MACHINES DON'T NEED TO BE BULKY

- Multi-bay Feature Maximizes Flexibility and Customized Applications
- 14,1" TFT XGA or 15,1" TFT SXGA (1400 x 1050) display
- MIL-STD 810F and IP54 Compliance
- Optional MIL-STD 461E
- Full Magnesium Alloy Case
- Sealed Ports and Connectors
- Shock-mounted Removable HDD
- Vibration & Drop-shock Resistant
- Sunlight Readable LCD Screen
- Versatile Wireless Access: WLAN, WWAN and BT
- Fan-less Design

TETRA 
RUGGED COMPUTERS

* Option

GETAC 



■ TETRA M230 N[®]

The TETRA M230N is the newest rugged portable notebook computer for extreme today's "on-the-go" road warriors.

The IP54 design means that the TETRA M230 is designed to survive the extreme use and needs of today's "on-the-go" road warriors in field service, utilities, construction, telecommunications, military, police, fire and emergency services (EMS), data collection in science, oil and gas exploration where wind-blown, heavy rain, three-foot drops off the back of a truck, and temperatures from -20 to 60°C may be encountered.

TETRA M230N

Specifications

| | |
|----------------|--|
| PROCESSOR | Intel® Core™ 2 Duo LV 1,5 GHz; |
| FSB | 667MHz |
| CACHE | 4 MB L2 |
| CHIPSET | Intel 945GM |
| RAM MEMORY | 1 GB to 4 GB DDR2 |
| VGA CONTROLLER | Integrated to Intel 945GM chipset; 128 MB shared RAM Simultaneous display LCD/CRT |
| HDD | Option : nVidia NBBM-SE (Geforce8400) / 256MB VRAM 120 GB Removable SATA HDD Option : HDD heater for low temperature -20°C 160 / 250 GB removable HDD |
| MULTIMEDIA BAY | Easy swappable bay for DVD combo 2 nd Li-Ion Battery 3700 mAh. |
| POWER SUPPLY | AC adapter 90W, 100-240V, 50/60Hz |
| BATTERY | Li-Ion Bat. 7800 mAh / 11.1V - 9 cells Option : 2 nd Li-Ion battery 3700 mAh |
| KEYBORAD | Waterproof rubber keyboard Option : Waterproof backlight rubber keyboard |
| TOUCHPAD | Touchpad capacitance type Option : pressure sensing glove touchpad |
| AUDIO | 2W Stereo speaker |

Interfaces

| | |
|-----------|---|
| PCMCIA | Type II x2 or Type III x1 Option Smart card reader |
| I/O PORTS | Serial port x1 - PS/2 x1 - USB2.0 x2 (External VGA x1 - Parallel port x1 (swappable to serial port) CRT port x1 - DC input x1- RJ-45 - RJ-11 -Microphone Line-out - IrDA - Kensington Lock - Docking port Option : IEEE1394 x1(instead of PS/2 x1) Serial port x2 (RS232, 422 etc....) instead of Parallel port |

Communication

| | |
|----------|---|
| | Ethernet Gigabit 10/100/1000 base -T Modem 56 Kbps; Wireless LAN 802.11 a/b/g |
| Option : | GPS (with internal antenna) Bluetooth V2.0 class II Wireless 3G+ (GPRS/EDGE/UMTS/HSDPA) |

Operating system

Windows XP Pro / Vista

Display

| | |
|---------|--|
| | 14,1" TFT XGA (1024 X 768) or 15,1" TFT SXGA+ (1400 X 1050) |
| Option: | Touchscreen display Sunlight readable solution |

Environment

| | |
|---------|--|
| | MIL-STD810F, IP54 Sealed ports and connectors |
| Option: | MIL-STD461E |

Dimensions

| | |
|---------|--|
| 14,1" : | 328 mm (l) x 46mm (h) x 272 mm (p) Weight : 4.2 Kg |
| 15,1" : | 338 mm (l) x 46 mm (h) x 286 mm (p) Weight : 4.4 Kg |



PORTS :

Serial port (from USB I/F) x 2
Parallel port (from USB I/F) x 1
BNC S-Video (from USB I/F) x 2
USB x 1
Docking port (POGO) x 1
Microphone x 1
Line-out x 1
GPS/WLAN pass through antenna X 2 (x1 for each)

FEATURES OF DOCKING :

Start car ignition
Charge via car adapter
Power on indicator
2W x 2 stereo speakers

SPECIAL OPTION :

Low temperature -20°C option



| Environment : MIL-STD810F | | |
|---------------------------|---|--|
| | OPERATING | STORAGE |
| TEMPERATURE | IEC 68-2-1,2,14 / MIL-STD-810F, method 501.4, 502.4 | |
| | 0°C to +60°C -20°C to +60°C (option) | -40° to +70°C |
| HUMIDITY | IEC 68-2-30/MIL-STD-810F, method 507.4 | |
| | 5% to 95% RH, non-condensing | |
| ALTITUDE | IEC 68-2-13/MIL-STD-810F, method 500.4 | |
| | 4 600 m (15,000 ft) | 12 200 m, (40,000 ft) |
| | Altitude change rate 610 m (2,000 ft/min) | |
| SHOCK | IEC 68-2-27/MIL-STD-810F, method 516.5 | |
| | 15g, 11ms, 1/2 sinus | 50g, 11ms, 1/2 sinus |
| DROP | IEC 68-2-32 / MIL-STD-810F, method 516.5 | |
| | 0.9 m (3 ft) | |
| VIBRATION | IEC 68-2-6 / MIL-STD-810F, method 514.5 | |
| | 10~57.5Hz/ 0.075mm , 57.5~500Hz/1.0 g | |
| | MIL-STD-810F, 514.5C1-high way truck vibration exposure | |
| | | 10~57.5 Hz/0.15 mm, 57.5~500 Hz/2.0 g |
| | MIL-STD-810F-514.5C-17 general minimum integrity exposure | |
| SALT FOG | 5% Sodium Chloride (NaCl). 48 hr between 1 and 3 ml/80 cm2/hr | |
| ENCLOSURE | IP 54 Certified | |
| ESD | IEC1000-4-2 | |
| REGULATION | FCC part 15, Subpart B, C, Class B, UL, CUL, TUV, CE! , CB, CCC, WHQL, BSMI | |
| OPTION : MIL-STD461E | | |