

TETRA V100[®]

FIRST 10.4" CONVERTIBLE RUGGED TABLET

- Intel® Yonah U2500 Core Duo ULV 1.2GHz
- 10.4" TFT XGA (1024x768) with touchscreen
- 12.1" TFT WIDE WXGA (1280x800) with touchscreen
- Sunlight readable (650nits)* & active digitizer function*
- WLAN ; Bluetooth ; GPS *; GSM/GPRS * ; 3G+(HSDPA) *
- Waterproof keyboard (backlighted*)
- 1.3 Mega pixels CMOS Camera
- Fan-less design
- Magnesium alloy casing with hand strap
- MIL-STD-810F & IP54 & Explosive Environment

* Optional

TETRA 
RUGGED COMPUTERS

Semi-Rugged | **Rugged** | Fully-Rugged



The TETRAV100 features a 10.4" or 12.1" LCD display that rotates by 180 degrees to transform this compact notebook into a Tablet PC. It is a lightweight design with a tough magnesium alloy case and a removable hard drive that is protected against damage during operation. The low power consumption of the V100's Ultra Low Voltage Intel® Core™ Duo processor allows a quiet, fan-less design.



TETRA V100®

Specifications

PROCESSOR	Intel® Core™ 2 Duo Merom U7600 1.2GHz
FSB	533-MHz
CACHE	2 MB L2
CHIPSET	Intel 945 GMS / ICH7-M
RAM MEMORY	1GB to 2 GB DDR2 RAM;
VGA CONTROLLER	Integrated in Intel® 945GMS
VGA RAM	128MB shared RAM
HDD	Removable 2.5" SATA 120 GB shock mounted
	Option: Removable 160GB HDD
PCMCIA	Type II x2 or Type III x1
POWER SUPPLY	Li-Ion Battery 5200mAh, 11.1V
	AC input - 100-240V, 50/60Hz, auto-sensing
	Option : 9 cells battery 7800 mAh (10 hours autonomy)
	Vehicle adapter (90Watts, 12-32V)
KEYBOARD	Waterproof Keyboard 89 keys
	Option : Backlighted waterproof rubber keyboard
TOUCHPAD	Capacitive touchpad
AUDIO	Azalia 32bits - audio HD & MS-Sound support
	Integrated speaker 3W x1
SECURITY	Kensington lock ; TPM 1.2 : Trust Platform Module

Display

	Convertible display
	10.4" TFT XGA (1024x768) with touchscreen or
	12.1" Wide Screen TFT WXGA (1280x800) with touchscreen
	Landscape/Portrait mode
Option:	1200 nits or 400 nits sunlight readable display with touch-screen for 10.4"
	Digitizer display + active pen (Unavailable with MIL-STD461E)

Interfaces

I/O PORTS	Serial port x1, USB 2.0 x2 , RJ-45 x1, RJ-11 x1,
	VGA port x1 (option RS232 or RS422 serial port)
	SD port x1, Microphone x1, Line out x1, DC in x1,
	Docking port x1,
	1.3 Mega Pixels CMOS camera (rotate 225°)
	WLAN switch
Option:	Integrated smart card reader (over PCMCIA port Type II)

Communication

	Ethernet 10/100/1000 base-T ; Modem 56 Kbps ;
	Intel PRO/Wireless 3945 a/b/g;
	Bluetooth v2.0+ EDR class2
Option:	Wireless 3G+ (GSM/GPRS/EDGE/UMTS/HSDPA)
	Integrated GPS module (replace camera)

Operating system

WIN XP PRO/ WINDOWS XP TABLET PC EDITION

Environment

	MIL-STD-810F / IEC 529, NEMA IP54
	MIL-STD-810F method 511.4 (explosive atmosphere)
Option:	MIL-STD-461E (only for 10.4" version)

Dimensions

10,4" :	285 mm (W) x 49 mm (H) x 222 mm (D)
Weight :	2.2 Kg
12,1" :	311 mm (W) x 49 mm (H) x 222 mm (D)
Weight :	2.45 Kg



Vehicle Docking

TETRA
RUGGED COMPUTERS



Backside

Line out	x 1	Microphone	x 1
External VGA	x 1	Serial port	x 1



Leftside

PCMCIA	x 2	SD card reader	x 1
RJ-45	x 1	RJ-11	x 1
USB 2.0	x 2	DC in	x 1



Rightside

Battery door	x 1	HDD door	x 1
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Accessories :

Vehicle docking ; Battery charger
Vehicle adapter (90Watts, 12-32V)
Carrying bag ; Shoulder strap
External USB DVD Combo
External USB DVD-DUAL
Digitizer stylus ; Touch screen stylus

Environmental specifications		
	operating	Storage
Temperature	IEC 68-2-1,2,14 / MIL-STD-810F, Method 501.4, 502.4	
	0°C to 60°C -20° to +60°C (option)	-40°C 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	
	4 500 m	12 000 m
	Altitude change rate: 2,000ft/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	
	1 m over concrete	
Vibration	IEC 68-2-6 / MIL-STD-810F, Method 514.5	
	10~55Hz/ 0.075mm ; 55~500Hz/1.0g	10~55Hz/0.15g ; 55~500Hz/2.0g
ESD	IEC1000-4-2	
Enclosure	Certified IP 54; MIL-STD-810F, Method 506.4 - 510.4; IEC 529, NEMA	
Explosive Environment	MIL-STD-810F, Method 511.4	
Regulation	FCC part 15, Subpart B, Class B, UL, CUL, TUV, CE, CCC, WHQL, E-mark, RoHS, WEEE	
	Option : MIL-STD-461E	