

TETRA *vehicle pc Light*

Up to IP65

IDEALLY SUITED FOR IN-VEHICLE APPLICATIONS, MILITARY
AND INDUSTRIAL ENVIRONMENTS

- Intel Pentium M
- IP 65 enclosure Aluminium case
- Fanless design
- -40°C to +50°C operational temperature
- USB 2 and Firewire interface
- Swappable and Removable components through Mediapack module (battery / HDD/ DVD-R/CD-RW / CF socket...)
- MII-STD-810F & Mil-STD-461E compliant rugged Flat Panel Displays from 8" to 23". Displays are available with DVI, analog RGB and NTSC/PAL video interface variants. Touch Screen option are also available.



■ TETRA *vehicle PC Light*

A pc able to meet the demands of the modern PC technology on each environmental condition.

The computer, based on the Intel® Pentium® M CPU, is in the fanless, waterproofed compact metal case optimally suited for mobile applications in vehicles and outdoor.



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■ Specification

CPU	Intel Pentium M 738
CACHE	2'024 KB 2 nd Level
PERFORMANCE	Equal 2.8 GHz Pentium 4
CHIPSET	i855GME
VGA	64 MB VRAM
DIGITAL OUTPUT	8 CHANNEL, RELAIS (2A / 48VDC)
DIGITAL INPUT	8 CHANNEL, OPTO 0...30VDC
ANALOGUE INPUT	8 CHANNEL, 12BIT, 0...10V (MAX. 1KHZ)
COUNTER INPUT	3 CHANNEL, OPTO

■ Mediapack to be selected

MEDIAPACK 01	Removable carrier with 40 GB HDD, DVD-R/CD-RW
MEDIAPACK 02	Removable carrier with 3x EIDE CF-sockets type II
MEDIAPACK 03	Removable carrier with 20GB automotive HDD E28, 1 x EIDE CF-socket type II
MEDIAPACK 04	Removable carrier with 2 x HDD 80GB (160GB)

PORT REPLICATOR TO BE SELECTED 02 / 03 / 04

■ Video

LCD DISPLAY INTERFACE	DVI 24 Bits
LCD DISPLAY INTERFACE	LVDS 18 Bits
ANALOGUE VGA INTERFACE	Standard VGA monitors
VIDEO INPUT	2 channels CVBS, BT878 Grabber 1 channel S-VHS, BT878 Grabber

■ Interfaces

PCI SLOT	1x Mini PCI Slot
I/O PORTS	2 RS232C serial port, 4x USB 2.0, 2x Firewire IEEE 1394 1x LAN 10/100 Base-T, 1x parallel, 1x DVI-D out, 1x VGA out 2x ps/2, Audio-In/out(Headphone), Mic-in

■ Power

ON/OFF	By ignition
INPUT	10-24 VDC, max 8 to 30 VDC, 25W
POWER SUPPLY	DC/DC internal 12Volt-/24Volt-In

■ Special function

Tachosignal

■ Operating system

Supports Windows XP / Linux / QNX / etc...

■ Dimensions

160 mm (w) x 66 mm (h) x 300 mm (d)
Weight : 3.2 Kg



■ PORT REPLICATOR 04 - IP65



Port Replicator IP65, with connectors 1xFCI-MIL-37P, 1xFCI-MIL-37PA, 1xFCI-MIL-55P, 1xFCI-MIL-66P, with the following interfaces:

Power Input 12V-24VDC, KB, MS, COM1, COM2 (all as RS232), LPT1, 1xUSB, LAN Ethernet 10/100Base-T, 1xFirewire IEEE1394, Audio-IN, Audio-OUT, VGA1, DVI 24Bit, LVDS 18Bit, Video-In CVBS, 8xDigital Input, 8xDigital Output, 8 Analogue Input, Remote Power-on/off, 3xCounter Input.

Accessories: Cable connectors with crimp contacts 1xFCI-MIL-37P, 1xFCI-MIL-37PA, 1xFCI-MIL-55P, 1xFCI-MIL-66P.Input.

■ PORT REPLICATOR 03 - IP54



PORT REPLICATOR IP54, WITH THE FOLLOWING INTERFACES:

POWER INPUT 12V-24VDC, KB, MS, COM1, COM2 (ALL AS RS232), LPT1, 2xUSB, LAN ETHERNET 10/100BASE-T, AUDIO-IN, AUDIO-OUT, VGA1, DVI 24BIT, LVDS 18BIT, VIDEO-IN CVBS, REMOTE POWER-ON/OFF.

■ PORT REPLICATOR 02 - IP54



Port Replicator IP54, with the following Interfaces:

Power Input 12V-24VDC, KB, MS, COM1 (DSUB9), COM2 (all as RS232), LPT1, 2xUSB, LAN Ethernet 10/100Base-T (RJ45), Audio-IN, Audio-OUT, VGA1, DVI 24Bit, LVDS 18Bit, Video-In CVBS, 8xDigital Input, 8xDigital Output, 8 Analogue Input, Remote Power-on/off, 3xCounter Input.

OPTIONS

- CompactFlash up to 4GB
- 512MB USB V2.0 memory stick to fit into front memory stick holder
- UPS Battery, NiMH 16Wh, Capacity Monitor
- Pre-heat for temperature of -40°C...+5°C
- WLAN IntelPro2200 (occup. MiniPCI Slot)
- GPS receiver 12 channels (occup. COM1)
- GSM/GPRS TriBand Phone (occup. COM2)
- 2nd analogue VGA Interface (occup. DVI connector)
- Vector Dual CAN (PC/104-Plus) 2 channels, incl. Vec-tor CAN licence CAN 1, CAN2 (occup. PC/104, COM1 and COM2 or LPT1)
- AC 110/220VAC, external Power Supply
- Vehicle mounting Kit

Environmental Standard		
	Operating	Non operating
Temperature	0°C to 50°C	-40°C to 70°C
Extended T°	-40°C to 50°C, pre-Heat	
Enclosure	IP54 standard IP 65 with port replicator 04	
Approvals	MIL-STD-810F & Mil-STD-461E compliant CE, E1, UL	

Feel free to contact us for further informations or connect to the website www.tetracomputer.com

TETRA
RUGGED COMPUTERS