kontron
EMBEDDED COMPUTERS

Field Lite*

> **Technical Information**
- Pentium® 266 Tillamook CPU (1.9V)
- 512 K Cache
- 3.3 V Operation
- Dual Mouse Operation
- Resistive Touchscreen
- Programmable Display Function Keys
- EMI proofed Enclosure
- Wireless Expansion
- Mobile Communication
- Designed for Industrial Harsh and Rough Environment

> **Bus Interfaces**
- PCMCIA: two dual-Port-PCI-to-PCI Card/Card Bus Controller unit

> **Memory**
- DRAM 3.3 V, Self-Refreshing Low Power EDO or SD
- L2 Cache: 512 kB Synchronous Pipelined Burst SRAM

> **Hard Disk**
- Onboard 2.5" 4 GB Hard Disk

> **PCMCIA**
- Provides PC Card™/CARDBUS supports
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- 4 TYPE I or II slots, or 2 TYPE III slots
- Texas Instruments PCI 1220 Controller

> **Clock & Calendar**
- Real-time clock with battery backup

> **Sound, Audio& Voice**
- SoundBlaster™ and Windows Sound System (WSS) compatible hardware
- Mic-in and stereo Line-out through docking, shrouded header or 3.5 mm diameter phone jack
- PC speaker output

> **BIOS**
- Award BIOS with ACPI Support

> **PC Card**
- 4 x PC Card Expansion

> **Interfaces**
- IrDA Data Port, 110K (or 4M Bit/Sec) Transfer

> **Battery**
- 12 VDC: Smart Battery

> **Input Power**
- 12 W full operation
- 12 VDC: Duracell® Smart Battery DR36 or equivalent

> **Operating Time**
- 8 hours typical
- Accepts 12 V Lithium-ion (Li Ion) and Nickel Metal Hybrid (NiMH) batteries

> **Charging**
- smart profile, continuous with full operation

> **Source**
- 12 - 18 VDC input power and ext. wall charge power supply, 50 W

> **Charging Parameters**
- Temperature, current and voltage conditions

> **Protection against Dust & Rain**
- IP 54

> **Humidity**

- Chips & Technologies Video BIOS
- Boot Block Flash BIOS
- Advanced Power Management
- (Proprietary) Power/ Thermal Management
- Full On, Doze, Sleep and Suspend Modes
- Supports SMI/ SMM Power Management
- Supports SMBus to battery
- Plug & Play peripheral support

Electrical/Mechanical
- PCI specification Rev. 2.1 (Electrical)
- Compliant with 1995 PC Card Standard

Graphic
- 6.4" TFT Sunlight-Readable Display, 640 x 480 VGA 256 K, 300cd/m²

Video
- Chips & Technologies®65550 graphic processor
- Resolution:1024 x 768 x 256 colors
- 32-bit graphics engine with BitBLT
- 2 MB, 3.3 V, EDO DRAM
- Simultaneous CRT/ Flat Panel capability

Serial
- Software compatible with NS16C550
- COM1, 3 & 4 are RS232 standard
- COM2 is RS232 or 110Kbit/s Infrared

Parallel
- 1 bi-directional port (LPT1) with PC/XT, AT, PS/2, EPP and ECP operations

Keyboard and Mouse
- Supports Mini DIN AT keyboard and PS/2 combo connector

Docking Station
- 200-pin R/A Industry Standard
- Incl. Secondary IDE Port, Keyboard, Mouse, COM1&2, VGA, Floppy, USB, LPT1, Power, Sound

VGA Output
- 15-pin high density DSUB

- 90% (non-condensing)

Temperature
- -10°C - +45°C Operating
- 0°C - +70°C Storage

Altitude with Hard Disk
- 3000 meters

Shock
- Operating: 15g, 11ms half size
- Non-Operating: 30g, 11ms half size

Overall Dimensions
- 7" H x 9" W x 3" D (Case and Bumpers
- 177.8mm H x 228.6mm W x 76.2mm D

Weight with Bumpers
- <2.0 kg without Battery
- <2.6 kg with Battery

MTBF
- >60.000 hours

Operating Systems
- PC and MS DOS
- Windows 95/98
- Windows NT
- Consult factory for the other Operating Systems

Options
- 128 MB RAM
- IDE Flash Card
- Portable PCMCIA CD-ROM Drive
- PC Card, LAN Ethernet
- GPS & MAP Navigation System
- PS/2 Keyboard, Black
- PC Card Modem 56K
- Battery, Lithium Ion, 10.8V, 4050mAH