

DynaCOR 30-10

- **Fanless:** increased reliability
- **Powerful:** with Core i7
- **Rugged:** for harsh environments



FEATURES

Fanless, high performance – Ultra low power Intel Core i7

Rugged – Designed for harsh environments

Flexible – PCIe and Mini PCIe expansions, dual HDMI, front panel display

Complete – Comprehensive set of PC peripheral ports

Advanced – Hyperthreading, virtualisation and remote management

- **On vehicle and track-side**
- **Machine control**
- **Media servers**
- **Data concentrators**
- **Asset monitoring**
- **Digital signage**

The DynaCOR 30-10 is a fanless, 1U high, 19" rack mount computer suitable for harsh environments, track side and on-vehicle applications. The DynaCOR 30-10 offers new levels of performance using Intel Core i7 low power processors, providing advanced features such as virtualisation, hyperthreading and remote system management.

Designed for fanless operation in harsh environments, the DynaCOR 30-10, ensures reliable operation thanks to specially designed heat exchangers that deliver superior thermal performance without increasing the size of the unit.

The DynaCOR 30-10 offers wide range AC and DC power in options, supporting global operation both in stationary and transportation applications.

Storage requirements can be easily matched, both in terms of capacity and reliability, thanks to two SATA SSD bays, while the boot image can be installed on an on-board mSATA SSD.

The DynaCOR 30-10 supports wireless and cellular communication modules and mounting points for SMA antenna connector are provided on the rear panel.

System Architecture

PROCESSOR	Intel® Core™ i7 620LE 2GHz Intel® Core™ i7 620UE 1.06GHz
CHIPSET	Mobile Intel® QM57 Express Chipset
SUPPORTED OS	Windows Embedded Standard 7, Windows 7 and Fedora Linux
MEMORY	Up to 8GB
PCI EXPRESS	2 x PCI Express (2 x2 standard, 1 x4 optional) 2 x PCI Express MiniCard sockets with SIM support
GRAPHICS	2 x HDMI Optional VGA on 1U Front panel monochrome 256x64 pixel graphic LCD display
USB SUPPORT	2 x USB front panel connectors 4 x USB rear panel connectors
ETHERNET	2 x Gigabit Ethernet ports supporting 10/100/1000baseT Intel 82577 - PXE/Intel AMT Intel 82574L - PXE
SERIAL PORTS	1 x RS232 via rear panel 1 x RS232/RS485/RS422 (software selectable) via rear panel 2 further internal RS232 ports available for custom builds
TPM	Atmel AT97SC3204 TPM 1.2 factory fit option
THERMAL SOLUTION	Fanless
BIOS	Phoenix Trusted Core BIOS
H/W MONITORING	Software monitoring of temperatures and voltages Tamper detect switch on chassis lid
OPTICAL DRIVE	DVD/RW via front panel, can be optionally removed
SOLID STATE DRIVES	Dual 2.5" SATA SSD mounting locations (one fitted as standard) mSATA SSD boot
WATCHDOG	Watchdog timer support
OPERATING TEMPERATURE	0° to +50°C
MECHANICAL	1U high, 19" rack mount chassis (352mm deep) Passivated, painted mild steel
EMC	CE and FCC certification
MOBILE COMMS	Cellular and WiFi options
POWER SUPPLY OPTIONS	Universal AC (90-264V AC @ 47-63Hz, auto-ranging) DC 9-32VDC

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