

KMN-ORD-SE QUAD CORE COMPUTER



MAIN CHARACTERISTICS

- Fits in a police vehicle dashboard.
- Purposely built for police duty vehicle environment.
- Tough and light-weighted aluminum body and purpose-designed conformal coated electronics ensures long in-service uptime even under harshest conditions.
- Made for harsh environment and extended temperature range. -40C, +85C (-40F, 185 F)
- Powerfull Intel i7 Quad core processor, up to 16Gb RAM.
- Doesn't require a docking station

TECHNICAL SPECS

Processor

- 6th Generation Wide-temperature Intel® Core i7 (6822EQ Skylake) 4 x2.0GHz (2.8 GHz) Turbo-Advanced Quad-Core Processor

Operating system

- Compatible Windows 7,8™ and 10™ (optional)

Memory

- 8GB DDR4 default , optional 16GB

Storage SSD

- 256 GB default, optional 480 GB / 1 TB

Communication

- Wifi : 802.11 ac (Intel® Dual-Band Wireless AC-3165), Bluetooth 4.2
- Ethernet Intel® I219-V/LM. IEEE1588 Low Power GB-LAN. 10/100/1000 Base-T. RJ45

GPS

- U-blox LEA-6R. Rapid 50-Channel A-GPS receiver (GPS/Galileo/Glonass)
- Accurate AGPS + automotive dead reckoning (ADR)
- Accelerometer/Cyroscope 3 axes

LTE

- Advanced Cat-6 embedded module delivers up to 300 Mbps download speed
- Frequency bands: B1, B2, B3, B4, B5, B7, B8, B12, B13, B20, B25, B26, B29, B30, B41
- Optional LTE: Sierra Wireless module MC7455
- Approval: AT&T, Bell, Rogers, Sprint, T-Mobile, Telus, Verizon, Vodafone, US Cellular
- Cetifications: CE, FCC, GCF, IC, NCC, PTCRB

Dual sim slots

- 1 x Front Feed
- 1 x Integrated to Card

TESTING AND CERTIFICATES

Rail approved : EN-50155

Compliant : ECE 10R-04, FCC and CE

Ruggedness : ISO 16750 - Road vehicles—Environmental conditions and electrical testing for electrical and electronic equipment

Strong High Pressed and Geometry-designed impact protective Aluminium Body. High-density Steel cover.

Electromagnetic compatibility (EMC) standard : C-Tick, REG no 10

Recycling: WEEE 2002/96/EG, RoHS 2002/95/EC, REACH 2006/121/EC

The product meets all the Vehicle, Machinery and Industrial Environmental criteria's world-wide and is Quality tested by member of International Laboratory Accreditation Cooperation (ILAC)



QUAD CORE COMPUTER

PURPOSELY BUILT FOR
POLICE DUTY

I/O INTERFACE

- 2 x CAN-Bus, Data-I/O's, VSS- and gearshift sense
 - SAE J1939, ISO 11783 and NMEA 2000
- 4 x USB 3.0 ports
- 1 x Display port
- 2 x LVDS port (dedicated for Cyberkar screen)
- 1 x RJ45
- 1 x RS232/RS485 ports (configurable), optional 3 more
- 1 x Video input. Optional 4 video inputs.
 - Conexant CX23885 PCI-E Video Decoder
 - Automatic A/V-standard detection and configuration. NTSC, PAL, SECAM.
- 1 x DC jack (Mic in)
- 1 x WIFI RF port (fakra connector)
- 1 x GPS RF port (fakra connector)
- 2 x LTE RF port (diversity, fakra connector)
- 3 x Digital in (low active)
 - 0V ... 36V, Logic-H +5V, Internal Pull-Ups.
 - VSS (Vehicle Speed Sensor)
 - VDS (Vehicle Direction-Sense); Gear-Shift
- 4 x digital In (high active)
 - 10V ... 36V, Logic-H +11V, Internal Pull-Downs
 - API Read via T-LINK Pre-start / Wake-Up of System on Arctic conditions
- 4 x Analog In
 - 1 x 0...50VDC
 - 3 x 0...10VDC
- 4 x Digital out
 - Voltage Level due to Power-Input
 - Short-Circuit and Inductive-Load Protected

POWER

- 9-24VDC (No converters)
- Internal back-up battery for abrupt power interrupt controlling power-shut down of applications

DIMENSIONS

- Universal 1-DIN Sized
- W x L x D (163 x 177 x 50)mm, (6.42 x 6.97 x 1.97) inches

TEMPERATURE

- Operating temperature : -40C, +85C (-40F, 185 F)
- Humidity : 0%, 90% RH

SECURITY

- Intel vProTM Technology
- TPM 2.0
- NIST BIOS compliant

WARRANTY

- 3 years default , optional 10 years.
- Mean Time Between Failure (MTBF): 5 Years

ACCESSORIES INCLUDED

Power cable 3.5m



Display cable 1.5m



3 DB9 Cable Harness



I/O cable 3.5m



I/O cable 0.5m

