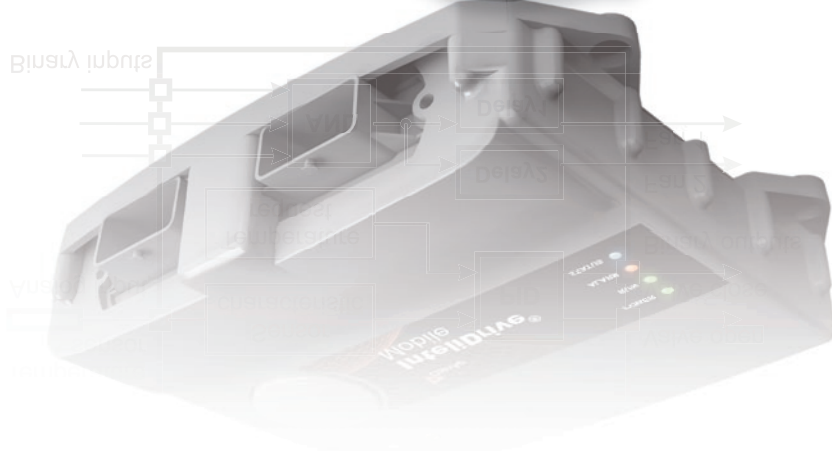
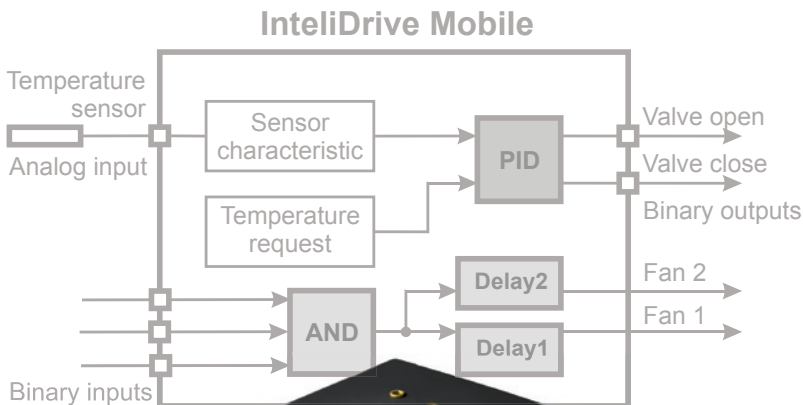


# InteliDrive Mobile



## ENGINE CONTROLLER FOR MOBILE APPLICATIONS



### Description

The InteliDrive Mobile is a highly flexible sophisticated mobile electronic controller, which features outstanding control, monitoring and protection for diesel and gas engines as well as driven technology. The new controller offers range of specific functions suitable for mobile applications as hydraulic system control, communication with sensors and operational devices control.

Most commonly, these tailored applications meet the specific control requirements of engine driven compressors, pumps and mobile hydraulics.

InteliDrive Mobile has been specially designed for harsh environments where mobile machinery is typically used. The unit construction features a fully environmentally sealed enclosure and connector, vibration and EMC robustness along with a wide temperature operating range.

InteliDrive Mobile can communicate via standard and proprietary CAN J1939 communication protocols to a wide range of EFI engines, which include Caterpillar, Cummins, Detroit Diesel, Deutz, GM, Iveco, John Deere, Perkins, Scania, Sisu, Volvo Penta and others. Extremely flexible input / output structure enables to support wide range of applications. Rich set of Binary, Frequency or Analog Inputs and Binary, Analog or PWM Outputs is optimized for direct connection to all industry standard sensors and output devices, including proportional hydraulic valves.

The set of PLC (analog and binary) functions is available in the standard software for control of driven technology. Predefined highly flexible functional blocks enable to create a control algorithm without the need for complex programming. CAN-bus and RS485 communication lines together with optional internal GSM modem and GPS module give perfect overview of system status to both local operator and technician in remote monitoring center.



ComAp is a member of AMPS  
(The Association of Manufacturers  
of Power generating Systems).



ComAp products meet the highest standards, with every stage of production undertaken in accordance with the ISO certification obtained in 1998.

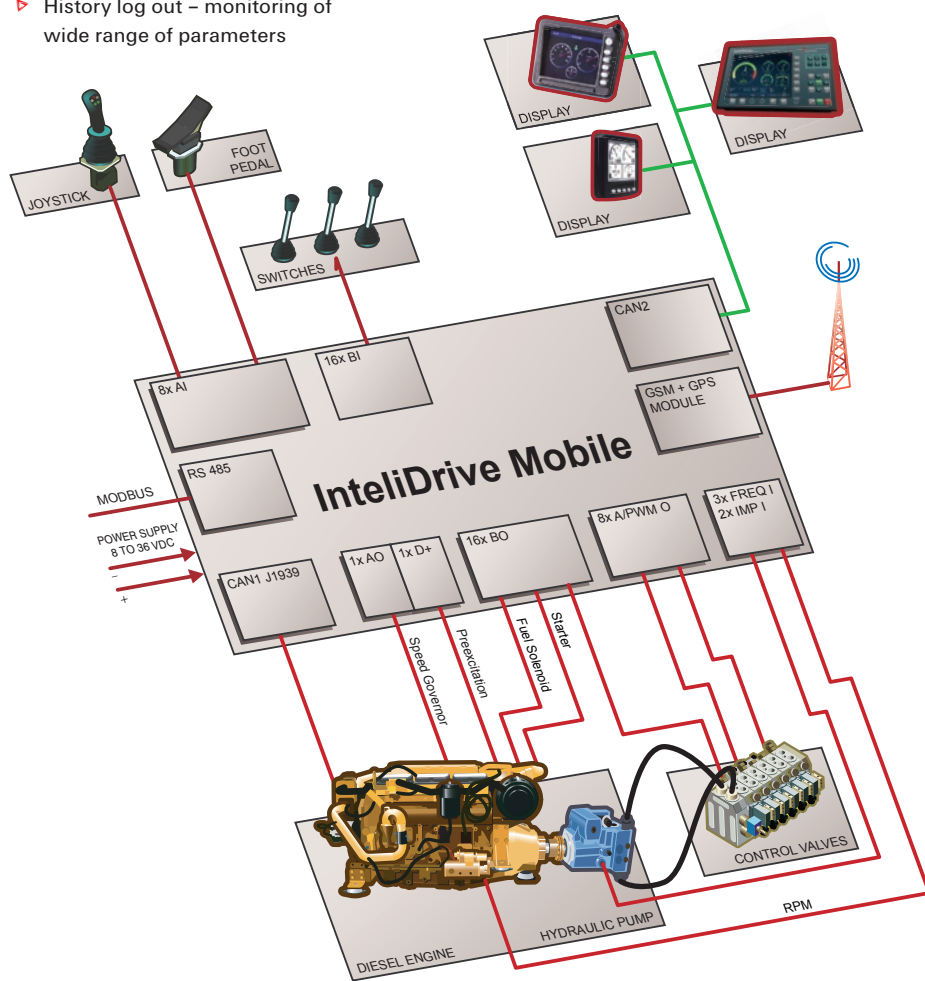
PRELIMINARY  
INFO

## Benefits

- ▶ Integrated solution, less wiring and components
- ▶ Engine specific, plug and play support of engines with ECU – access to all available values, without the need for programming
- ▶ Designed specifically for harsh environment – trouble free operation in all conditions
- ▶ Built-in Event & Performance Log – easy troubleshooting and warranty claim handling
- ▶ Remote monitoring support – reduced call-out costs of service engineers
- ▶ Fleet management program with GPS localization of supervised machines available
- ▶ History log out – monitoring of wide range of parameters

## Features

- ▶ Running-hours meter, number of starts counter
- ▶ RS485 communication line with MODBUS
- ▶ J1939 support with Input / Output configuration
- ▶ Engine measurement and control by sensors and actuators or via J1939
- ▶ CAN-bus line for connection of external display
- ▶ Optional internal GSM+GPS modem
- ▶ 12 Binary bi-directional inputs for contacts switching to Battery + or –
- ▶ 4 Binary inputs with detection of broken wire
- ▶ 8 Analog inputs configurable for industry standard sensors



- ▶ 8 Binary switches configurable as:
  - Hi-side switches 3A with detection of broken wire
  - Low-side switches 3A
  - PWM switches 3A
  - Stepper motor driver
- ▶ 8 inputs/outputs configurable as:
  - voltage outputs compatible with hydraulic proportional valves
  - 4-20mA current output
- ▶ 8 Binary Hi-side switches with max. current 3A and detection of broken wire
- ▶ 4 Frequency inputs for RPM measurement
- ▶ 2 Impulse inputs for rotary flowmeters
- ▶ Internal – configurable PLC functions: Logical functions, Comparators with delay or hysteresis, Analog switches, Mathematical functions, Linear interpolation, Filters, PID loops with analog or binary outputs, Counters, Timers, Delay functions
- ▶ Operating temperature: -40 to +70°C
- ▶ Supply voltage: 8-36 VDC continuously, 6 VDC for 1s
- ▶ EMC compatibility: EN61000-6-1/2/3/4, SS4631503(PL4), IEC 255-3
- ▶ Vibration resistivity: IEC 60068-2-6, 10-58Hz 0.15mm, 58-150Hz 2g, 58-150Hz 10g
- ▶ Shock test: IEC 68-2-27
- ▶ Dust and water protection IP67

## Various displays available

- ▶ 4,25" FTSN
- ▶ 160×128 pixels
- ▶ 110×110×38,5 mm
- ▶ colour option in 2009



- ▶ 6,5" VGA
- ▶ 640×480 pixels
- ▶ 203,5×162,5×74,7 mm



- ▶ 8" TFT
- ▶ 800×600 pixels
- ▶ 289,5×186×40 mm



MANUFACTURER:

LOCAL DISTRIBUTOR / PARTNER:



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