

# InteliDrive Mobile



## ELECTRONIC CONTROLLER FOR MOBILE APPLICATIONS

### Description

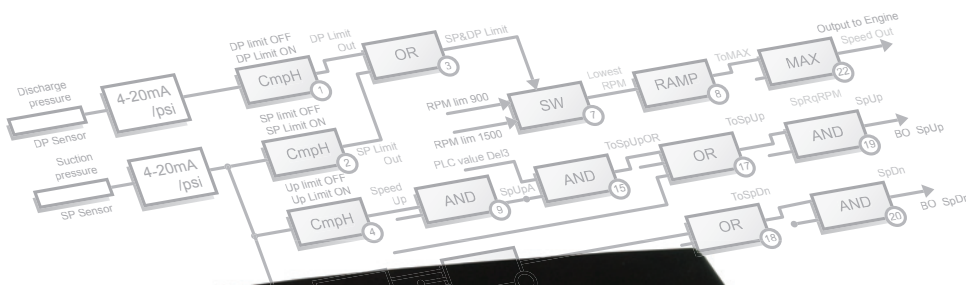
The InteliDrive Mobile is a highly flexible sophisticated mobile electronic controller, which features outstanding control, monitoring and protection for diesel and gas engines as well as driven technology. The new controller offers range of specific functions suitable for mobile applications as hydraulic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

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

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, Isuzu, John Deere, MAN, MTU, 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 or GPRS modem and GPS module give perfect overview of system status to both local operator and technician in remote monitoring center.



**AirGate**  
Modern communications made simple. ComAp's powerful AirGate technology is provided in a range of our controllers and makes remote internet connection to the ComAp controller easy. Just register the AirGate enabled controller on our website and from then on let ComAp's unique system locate and maintain contact with the controller, no need to worry about VPN's, Static IP addresses or corporate firewalls, simple! "AirGate - Simply connected."



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.

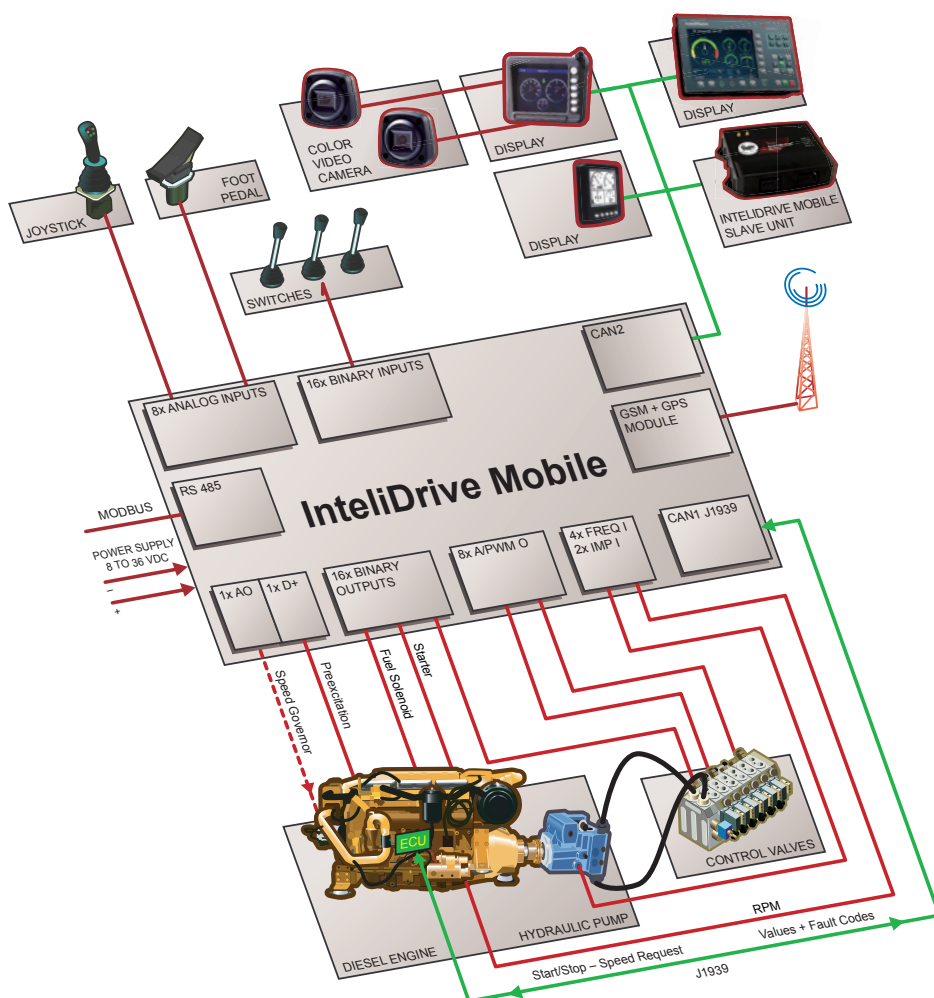
## Benefits

- ▶ Integrated solution, less wiring and components
- ▶ Support of engines with ECU – access to all available values and fault codes
- ▶ Designed specifically for harsh environment – trouble free operation in all conditions
- ▶ History log out, monitoring of wide range of parameters – easy troubleshooting and warranty claim handling
- ▶ Remote monitoring support – reduced call-out costs of service engineers
- ▶ AirGate connection technology for remote wireless monitoring and control, for localization and Geofencing

## Features

- ▶ J1939 support with Input/ Output configuration for engine measurement and control
- ▶ Optional internal GSM or GPRS and GPS modem
- ▶ Compatible with AirGate (ComAp technology for wireless connection)
- ▶ Master-Slave concept to extend I/O and other functions
- ▶ Built-in PLC functions: Logical functions, Comparators, Analog switches, Mathematical functions, Linear interpolation, Filters, PID loops, Timers, Delay functions
- ▶ 4+12 Binary inputs with detection of broken wire

- ▶ 16 Binary configurable switches: 3A, High-side / Low-side, broken wire detection, PWM
- ▶ 8 Analog inputs configurable for industry standard sensors
- ▶ 8 Analog inputs configurable for industry standard sensors
- ▶ 8 Analog configurable inputs/outputs
- ▶ 2 Impulse inputs (e.g. for rotary flow meters)
- ▶ 4 Frequency inputs for RPM measurement
- ▶ Operating statistics (running hours etc.)
- ▶ RS485 communication line with Modbus
- ▶ CAN-bus connection of external displays
- ▶ Operating temperature: -40 to +85°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: EN 60068-2-6; EN 60068-2-64
- ▶ Functional safety according to IEC 61508, SIL3
- ▶ Shock test: IEC 68-2-27
- ▶ Dust and water protection IP67



## Various displays available

### ID-Display 2600

- ▶ 4,25" FTSN, 160 × 128 pixels
- ▶ 110 × 110 × 38,5 mm



### ID-Display D13-V

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



### InteliVision 5 CAN

- ▶ 5,7" TFT, 320 × 240 pixels
- ▶ 113 × 175 mm × 55 mm



### InteliVision 8

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



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