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DATA SHEET

Pronto4™ Robotic Appliqué Kit

SERIES 4

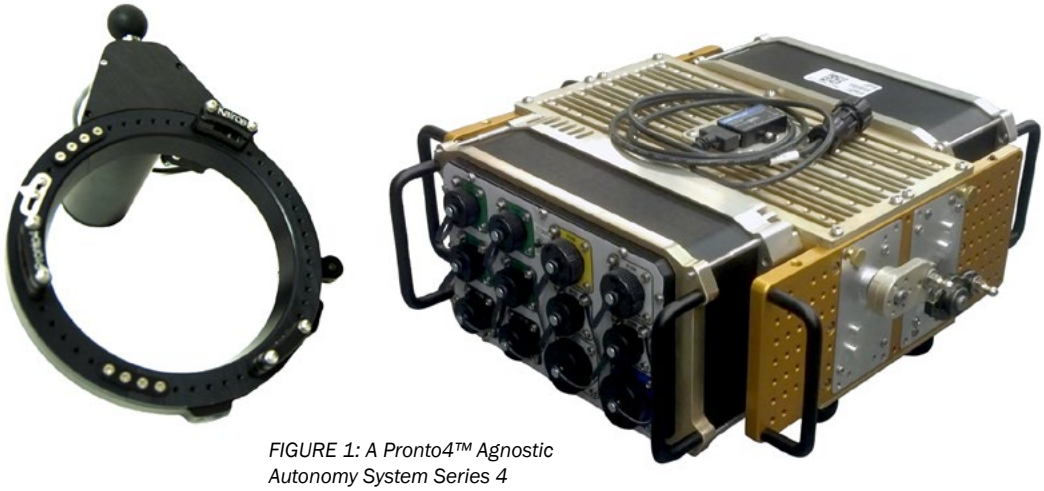


FIGURE 1: A Pronto4™ Agnostic Autonomy System Series 4 Mini with Steering Ring, P/N: KA100-09.

The Pronto4™ Robotic Appliqué Kit converts any existing ground vehicle or surface vessel — either steering-wheel or skid-steer — into an unmanned system in less than four hours. Featuring scalable autonomy, the Pronto4 system allows for vehicle control ranging from tele-operation to semi-autonomy. Whatever the situation, the Pronto4 system provides a superior unmanned vehicle solution at an unrivaled price.

SERIES 4 AT A GLANCE:

- Designed to fit under or behind a seat
- Modular build: 3 module types (computer, services, utility) enable flexible use
- Standardized utility modules enable 3rd party development of actuators, sensors or interfaces
- Submersible; meets MIL-STD-810F
- Multiple systems are stackable with a locking foot mechanism
- Large heat sink surface area (more than 40%)
- Four permanent mounting areas for actuator cables (one on each corner)
- Different configurations available:
  - Pronto4 Series 4 Planar (8 utility bays)
  - Pronto4 Series 4 Mini (4 utility bays)
  - Pronto4 PugV (stand-alone robot with wheel kit)
- Scalable to application

STANDARD COMPONENTS:

- Frame with 4 (Mini) or 8 (Planar) Utility Bays and Carrying Handles
- Computer Module (end cap)
- Services Module (end cap)
- Steering Ring
- 4 Utility Modules
  - Vehicle Integration Module (VIM)
  - Brake Actuator
  - Transmission Actuator
  - Throttle Actuator
- Complete Cable Set
- User's Manual / Quick Start Flip Charts

ISO 9001:2008 REGISTERED

GSA SCHEDULE GS-07F-0226U

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COMPUTING MODULE

- Industry standard computing platform
- 14 port USB Hub; 8 port Ethernet Switch
- Video management
- User interface (VGA, PS/2, Key/Mouse)
- Removable as a pluggable unit, enabling system to be declassified in moments
- All software and operation data removed when module removed

SERVICES MODULE

- Local controller (FORTH-based DSP)
- Mainframe common services include:
  - Local motor control
  - Safety logic (limited)
  - Routing login

UTILITY MODULES

- Wide variety of modules available for enhancing capability or customizing integration
- Communicate with Services Module via serial device bus (SPI, I2C, PWM, USB or RS-485)
- Modules include:
  - 10, 15, 20, 30, 100, 200 and 300 RPM intelligent motor modules
  - Standard PWM RC servo module (1-2 ms)
  - Multi-function module (OBD-II, PoE, Video)
  - J1939 CANbus module
  - Power and distribution modules
  - 3rd party developer modules (kits available)

APPLICATIONS

- Testing & Evaluation Platform
- Target System (training requirements)
- Tactical Operations (R2C, convoy lead)
- Route and Range Clearance
- Mining Operations
- Security (perimeter patrol)

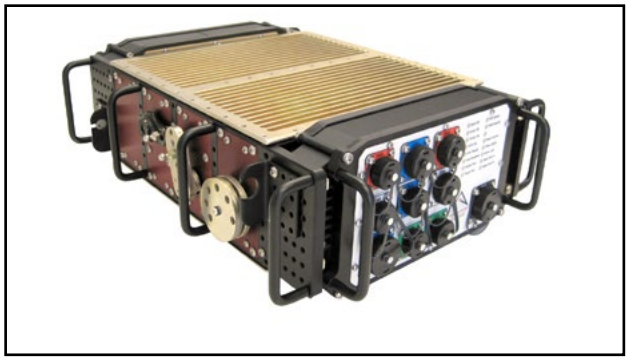


FIGURE 2: A Pronto4 Series 4 Planar, P/N: KA100-08

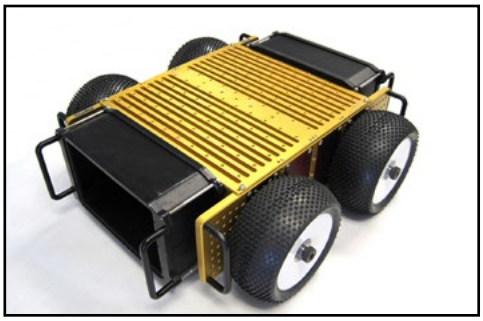


FIGURE 3: A Pronto4 Series 4 PugV, P/N: KA100-10



FIGURE 4: Pronto4 Series 4 Utility Modules

SPECIFICATIONS / FEATURES

- Weight: 22 lbs. / 10 kg
- Dimensions: 13.25 x 17.25 x 5 in (Planar)
- Power: 9-32 vdc
- 100% conduction cooled
- Mean Time To Replace/Repair: 30 minutes or less
- 8 USB Connections
- 8 Ethernet Connections
- Installs in less than 4 hours

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