

# Ground Control System

## ARES 40



Based on Panasonic FZ-40 Windows OS Laptop

The **Ares 40** is a high-performance, mission-ready ground control system designed for complex and high-demand operations. Engineered for harsh environments, it delivers advanced computing power and full-scale control capabilities on a rugged laptop-based platform.

### SOFTWARE

Windows 10 Pro 64 bit

### STORAGE & MEMORY

16GB / 64GB DDR4  
512GB – 2TB NVMe Opal SSD

### INTERFACES

Power IN - D38999  
1Gbps Ethernet x8 (D38999)  
RS422 - D38999  
RS422 x2  
RS232 x1  
Fiber Optic

### JOYSTICK & PUSH-BUTTONS

Several Push-Buttons  
2 x Joysticks  
Several Toggle Switches

### CONNECTORS

D38999 Connectors

### COLOR

Black, (Plastic tooling)

### CPU

Intel Core i7-1185G7 vPro processor

### DURABILITY

Temperature, MIL-STD-810G, Method 501.5 & 502.5  
Operating -29°C to +60°C  
Non Operating -40°C to +70°C  
Humidity, MIL-STD-810G, Method 507.5  
Vibration, MIL-STD-810G, Method 514.6 (tested on APC / tanks)  
Shock, Functional: MIL-STD-810G, Method 516-6, 40G 11ms  
EMI/RFI, MIL-STD-461F  
Ingress Protection Rating, IP65  
Chassis, Plastic tooling

### POWER SUPPLY

Input 16-32vdc

### DIMENSIONS & WEIGHT

250mm H x 626mm W x 120mm D  
5 Kg

### WARRANTY

1-year limited warranty, parts and labor