



Winsonic Newsletter April 2024

Winsonic Military Grade Rugged Mission Computers

are ready to handle harsh environment, Winsonic's Computers are designed to meet a range of MIL-STD-810, MIL-STD-461, MIL-STD-1275D, MIL-S-901D and NVIS by optional. To offer high reliability and specialized military computer and military panel PC, we built-in the best military grade components with fully qualified IP66 with D38999 connectors which are ready to handle military field.

Night Vision Imaging Systems (NVIS)

Winsonic NVIS function features include:

Provide a range of brightness from full to almost zero nits.
The ability to operate independently in normal LCD mode or NVIS mode as needed
Compliance Type I, Class B

It also supports wide temperature -20°C to $+70^{\circ}\text{C}$ and wide voltage input $9\text{V}\sim 36\text{V}$ DC isolated power with MIL-461 EMI, to make it a solution for military rugged computing applications.

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Withstand MIL-STD-461F

CE101, conducted emissions, power leads, 30 Hz to 10 kHz.

RE102, radiated emissions, electric field, 30MHz to 5GHz.

RS103, radiated susceptibility, electric field, 80MHz to 3GHz.

Withstand MIL-STD-810G (Anti-vibration and Anti-shock)

Vibration was performed with reference to MIL-STD-810G method 514.6 category 4 – common carrier random wave.

Shock was performed with reference to MIL-STD-810G method 516.6 sawtooth 20G.

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