



## MTBF

MTBF denotes Mean-Time-Between-Failure. It is an analysis to determine the reliability of an item in terms of a probability of success or failure, over a given operating period. The following chart shows the MTBF of Ethernet Direct's Industrial Switches and Converters based on MIL-HDBK=217F, GB. The analysis is implemented with respect to the electronic components and the maturity of the product design to justify that Ethernet Direct products meet harsh environment and our commitment to provide 5-year warranty.

Model Number	MTBF in Hours
<b>Unmanaged</b>	
HUE-500	448,564
HUE-500E	305,482
HUE-800	453,654
HUE-800E	319,175
HUE-411	380,973
HUE-411E	297,077
HUE-413	380,973
HUE-413E	297,077
RUE-111	378,174
RUE-111E	302,539
RUE-113	378,174
RUE-113E	302,539
<b>Managed</b>	
HME-800	319,175
HME-800E	255,340
HME-621	315,109
HME-621E	252,087
HME-623	315,109
HME-623E	252,087
HME-821	315,109
HME-823	315,109
<b>Managed Gigabit</b>	
HMG-628G	319,404
HMG-825	317,512
HMG-826	315,111
HMG-828	315,111

One year = 8760 hours



## **Reference Information**

### **Ground Benign (GB)**

Nonmobile, temperature and humidity controlled environments readily accessible to maintenance: includes laboratory instruments and test equipment, medical electronic equipment, business and scientific computer complexes, and missile and support equipment in ground silos.

### **Mean Time Between Failures (MTBF)**

A reliability analyses can be used to define the average time a device will function before failing. MTBF ratings are measured in hours.

### **Military Handbook (MIL-HDBK)**

A standard developed by the U.S. Department of Defense with the assistance of military departments, federal agencies and industries.