



MTBF for AXIS Q2101-TE

The calculated MTBF for the AXIS Q2101-TE is > 100,000h.

The MTBF (Mean Time Between Failures) for this product is equal to the MTTFF (Mean Time To First Failure) which is a theoretical estimate, calculated according to the formula below. The figure is valid at an operating temperature of +25°C:

$$\text{MTBF} = 1 / (\sum n_i \times \text{FR}_i)$$

where n_i = Total number of components of type 'i'
 FR_i = Failure rate (number of failures per hour) specified for component 'i'.

Lund, 26/09/2024

A handwritten signature in blue ink, appearing to read "Wael", written over a horizontal line.

Wael Abukarsh
Axis Communications AB

Lifetime of specific components for AXIS Q2101-TE

Timekeeping Battery: Expected to last at least 5 years. When the product is in use (i.e. connected to power) expected lifetime is more than 10 years.

Mechanics: SD card holder: 5000 insertion/removal cycles
 RJ45 connector: 750 insertion/removal cycles
 Tactile switches: 200 000 cycles

Optics package: Shutter: >500 000 cycles

Lund, 26/09/2024



Wael Abukarsh
Axis Communications AB