[Physical Specifications](https://omni-id.com/products/flex-1000-v2/%22%20%5Cl%20%22physical)

|  |  |
| --- | --- |
| Construction / Finish / Material / Encasement | White synthetic label with transparent over laminate |
| Size (mm) | 45 x 20 x 3.8 |
| Size (in) | 1.77 x 0.78 x 0.14 |
| Weight (g) | 0.82 |
| Attachment | Film adhesive (std) |

[Operational Specifications / RF Spec](https://omni-id.com/products/flex-1000-v2/#operational-specifications)

|  |  |
| --- | --- |
| Radio Protocol | * EPC Class 1 Gen2v2
 |
| Frequency Range | * 866 – 868 MHz (EU)
* 902 – 928 MHz (US)
 |
| Read Range – Fixed Reader | * Up to 11m (36 feet)
 |
| Read Range – Handheld Reader |  |
| On Metal or Balanced | Optimized for metal |
| Material Compatibility | * Metal
 |
| IC Type (Chip) | U-Code8 |
| Memory | EPC: 128 bitsUser: 0 bitsUnique TID: |
| TSL1166 Specific | Maximum tag to cone open end distance:Minimum distance between tags whereby reader will only detect desired tag:Recommended read power:Recommended write power: |

[Environmental Specifications](https://omni-id.com/products/flex-1000-v2/#environmental)

|  |  |
| --- | --- |
| Operating Temperature | –40°C to +85°C |
| Max Temperature Exposure | Long term:Short term:Range: |
| IP Rating | IP68 |
| Impact | 1KG |