[Physical Specifications](https://omni-id.com/products/flex-1000-v2/" \l "physical)

|  |  |
| --- | --- |
| 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 bits User: 0 bits Unique 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 |