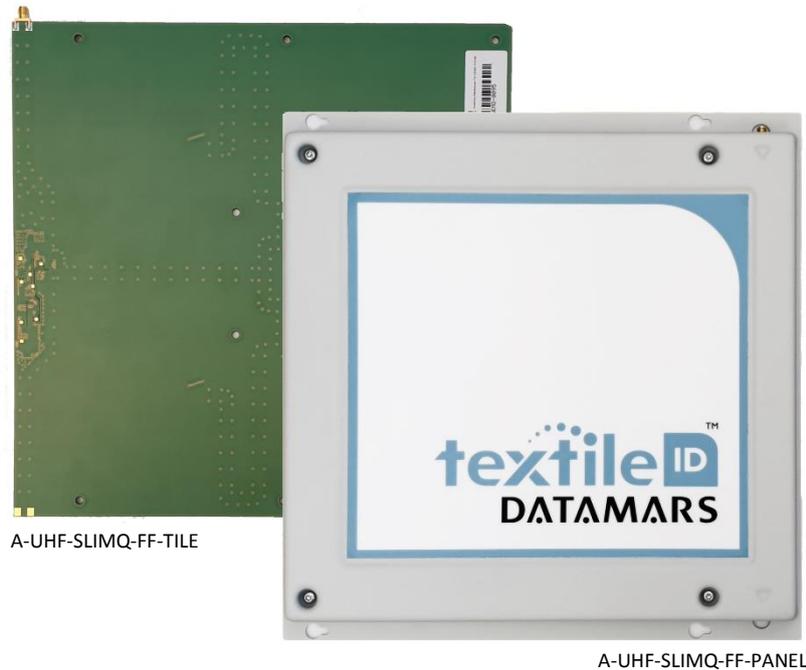


# UHF SLIMQ FAR FIELD ANTENNA

Hanging conveyors and table-top reading systems

A-UHF-SLIMQ-FF



A-UHF-SLIMQ-FF-TILE

A-UHF-SLIMQ-FF-PANEL

## Product info

- Confined reading area with minimum reader power
- Broad read range with higher reader power
- Circular polarization: minimize tag miss readings
- Outstanding performance in reducing stray reads from back side
- Quick easy installation, versatile application: belt / hanging conveyors and table top mount
- Suitable for customized reading systems or rapid deployment

## Product Description

Specifically designed for reading systems with precise reading area requirements, this far field antenna is well suited for UHF reading textile applications like hanging conveyors, belt conveyors; table top.

It is designed to provide a homogenous reading area on the front side, independently from tags orientation on a coplanar reading plane.

In combination with the appropriate reader configuration the antenna allows to limit the reading volume and avoid stray reads.

The product is available in two versions: TILE, without casing for optimal integration in custom machines or assembled and PANEL, assembled in a plastic case with a metallic backplate for indoor use and quick mounting.

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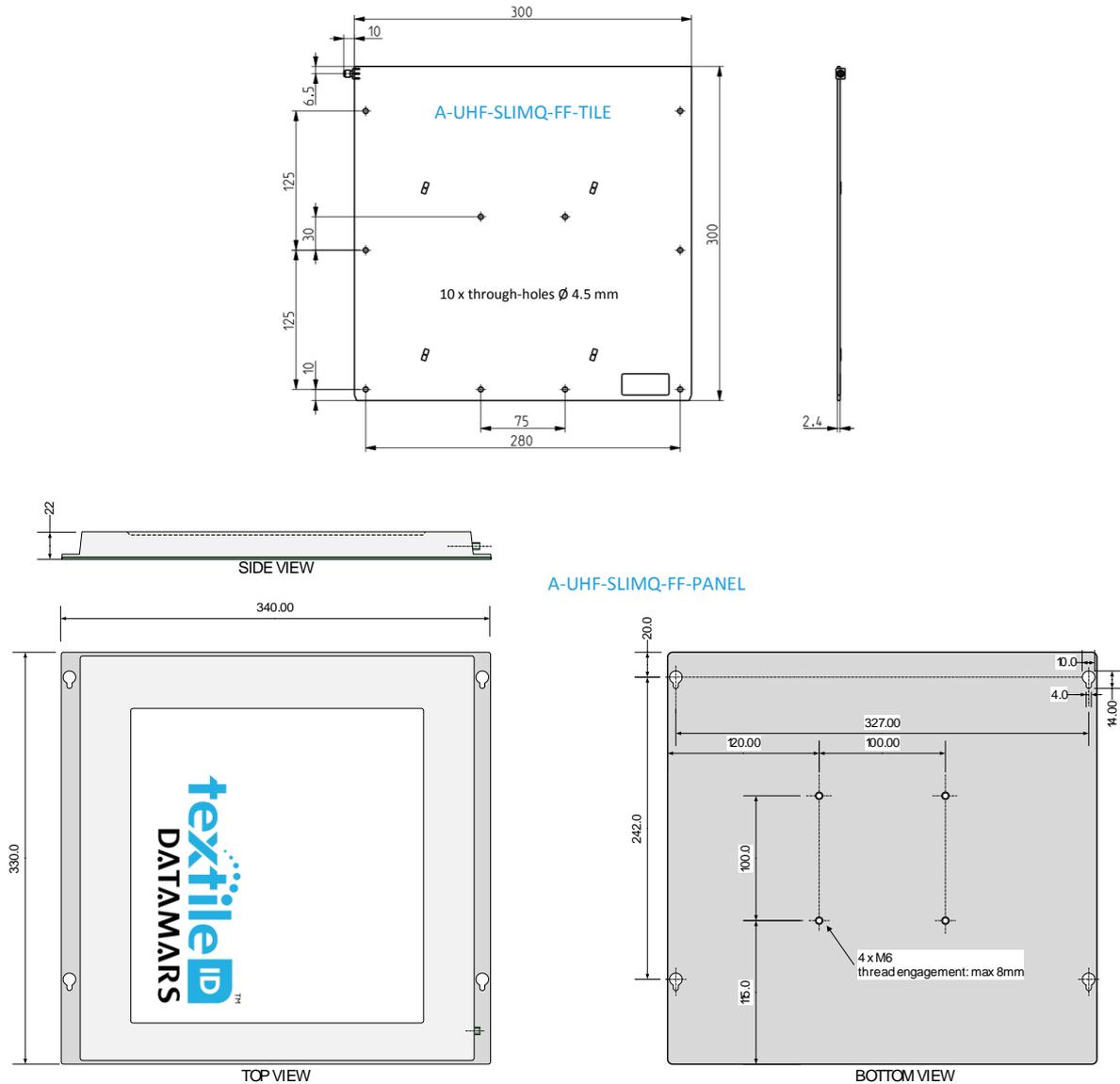
### Technical data

Dimensions (L x W x H)	TILE: 300 x 310 x 8.6 mm (11.8" x 12.2" x 0.4") PANEL: 340 x 330 x 22 mm (13.4" x 13.0" x 0.9")
Weight	TILE: 0.5 kg (1.1 lbs) PANEL: 1.4 kg (3.1 lbs)
Operating temperature range	-20 °C to +55 °C (-4 °F to 122 °F)
Humidity range	5 % to 95 %, non-condensing
Protection / load capacity	TILE: none / direct load not allowed PANEL: IP20 / load capacity max 5kg
Operating frequency range	865-868 MHz (ETSI) 902-928 MHz (FCC)
Polarization	Circular
Gain (typ.)	4.5 dBiC (ETSI) 5.0 dBiC (FCC)
Far field HPBW	60° / 60° (ETSI) 58° / 58° (FCC)
Impedance	50 Ω
Antenna connector	SMA female
Cable (included)	50 Ω coax., 3m (9.85 ft.), SMA male - RP-TNC male
Max input power	+33 dBm (ETSI EN 302 208) +30 dBm (FCC 15.247)
Warranty	1 year

# UHF SLIMQ FAR FIELD ANTENNA

## A-UHF-SLIMQ-FF

### Drawings



\*all dimensions are in mm

Four M6 inserts on the back allow to easily install the antenna.

### Ordering information

A-UHF-SLIMQ-FF-TILE (ETSI)	800 3075-862
A-UHF-SLIMQ-FF-TILE (FCC)	800 3075-863
A-UHF-SLIMQ-FF-PANEL (ETSI)	800 3075-860
A-UHF-SLIMQ-FF-PANEL (FCC)	800 3075-861