

# STAR-PAN™ Tablet Docking - Concept 3219



MilDef offers our customers complete realization of any product idea or concept within rugged electronics. Based on our long experience of designing and customizing products, our engineering team is ready to attack any technical problem thrown at them. A MilDef concept enables the possible implementation of customer specific requirements. Realization may involve NRE cost. This featured product is currently at a concept stage, contact us to further discuss your requirements.

## STAR-PAN™ interface for MilDef tablets

This rugged docking interface offers extended capabilities for MilDef tablets, enabling direct connection and compatibility with the GLENAIR STAR-PAN™ ecosystem through the NATO Standard interconnect interface.

## Military-relevant rugged design

MilDef products are designed to operate in extreme environmental conditions and challenging electromagnetic operational scenarios. Operationally proven, MilDef products are actively employed in military operations in over 60 countries.

## Customizable

Are you looking for additional features and functions? MilDef specializes in customized solutions, to include change of connectors, chassis modifications, mounting solutions, etc. Contact your nearest MilDef Sales Office and we will help you tailor a solution to meet your exact requirements.

## Guaranteed performance

MilDef products are designed for the long lifecycles of military programs and come with a lifetime support program to ensure your equipment maintains peak performance for many missions to come.

We also guarantee the availability of spare parts for an additional 5 years after product end-of-life.

## Features

- STAR-PAN™ interface

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## Connector Interfaces

(top)	• 1x DS13 Docking interface
(right side)	• 1x STAR-PAN™ interface

## Technical Specification

Chassis material	Aluminum
Surface treatment chassis	Chromit-Al
Weight	0.5 kg (1.1 lbs)
CE	Compliant

## Environmental Specification

Functional shock - Operating	MIL-STD-810H, Method 516.8, Procedure I - Functional Shock. Table 516.8-IV, Terminal peak sawtooth pulse, Ground Materiel 40 g 11 ms
High temperature - Operating	MIL-STD-810H, Method 501.7, Procedure II - Operation 60 °C (140 °F)
High temperature - Storage	MIL-STD-810H, Method 501.7, Procedure I - Storage 71 °C (160 °F)
Humidity	MIL-STD-810H, Method 507.6, Procedure II - Aggravated 95 ± 4% RH Ten 24-hour cycles
IP Class (Solid Particle Protection)	IP Class 6X
IP Class (Water)	IP Class X5
Icing/Freezing rain	MIL-STD-810H, Method 521.4, Procedure I - Icing/Freezing rain
Low air pressure - Rapid decompression	MIL-STD-810H, Method 500.6, Procedure III - Rapid Decompression 2,438 m (8,000 ft) 12,192 m (40,000 ft)
Low air pressure - Operating	MIL-STD-810H, Method 500.6, Procedure II - Operation/Air Carriage 4,572 m (15,000 ft)
Low temperature - Operating	MIL-STD-810H, Method 502.7, Procedure II - Operation -20 °C (-4 °F)
Low temperature - Storage	MIL-STD-810H, Method 502.7, Procedure I - Storage -40 °C (-40 °F)
Rain	MIL-STD-810H, Method 506.6, Procedure II - Exaggerated 40 minutes

## Salt fog

MIL-STD-810H, Method 509.7  
5 ± 1% (by weight)  
Two cycles, 24 h wet + 24h dry / cycle

## Temperature Shock - Non-operating

MIL-STD 810G, method 503.5 procedures I - C, - Multi-cycle shocks from constant extreme temperature  
71 °C (160 °F)  
-40 °C (-40 °F)

## Vibration - Operating

MIL-STD-810H. Method: 514.8 , Procedure 1 - General Vibration, Category 20 - Ground vehicles - ground mobile

## Vibration - Storage

MIL-STD-810H. Method: 514.8 , Procedure 1 - General Vibration, Category 24 - General minimal integrity

## EMC Specification

EMI conducted CE101	MIL-STD-461G, Method CE101 BASIC CURVE 30 kHz to 150 kHz
EMI conducted CE102	MIL-STD-461G, Method CE102 BASIC CURVE 10 kHz to 10 MHz
EMI radiated RE101	MIL-STD-461G, method RE101, Radiated Emissions, Magnetic Field Navy 30 kHz to 100 kHz
EMI radiated RE102	MIL-STD-461G Navy Mobile & Army 2 MHz - 18 GHz
EMS conducted CS101	MIL-STD-461G, Method CS101, conducted susceptibility, power leads CURVE #1 30 Hz to 150 kHz
EMS conducted CS114	MIL-STD-461G Army, Ground 10 kHz - 200 MHz
EMS conducted CS115	MIL-STD-461G Conducted susceptibility, bulk cable injection, impulse excitation
EMS conducted CS116	MIL-STD-461G 10 kHz - 100 MHz
EMS radiated RS101	MIL-STD-461G Navy 30 Hz - 100 kHz
EMS radiated RS103	MIL-STD-461G 2 MHz to 1 GHz, 200 V/m 1 GHz to 18 GHz, 100 V/m
ESD CS118	MIL-STD-461G