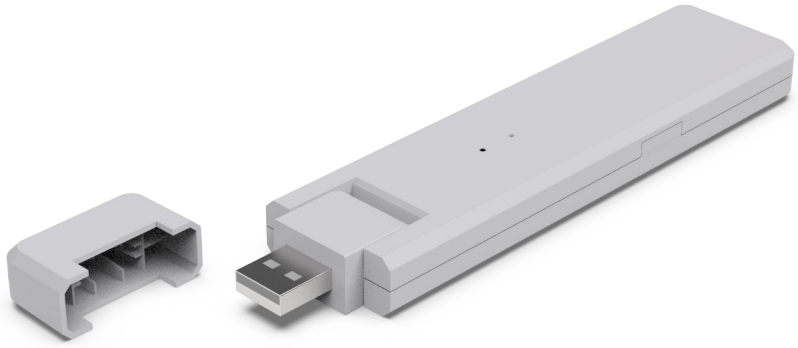


Data Transfer Unit Datasheet

DTU-WLite-S

Description

Hoymiles gateway DTU-WLite-S is a data transfer unit which collects information and data of PV microinverter via Sub-1G wireless solution and sends them to S-Miles Cloud, Hoymiles Monitoring Platform, using Wi-Fi communication.

With small size and easy installation, DTU-WLite-S has been specially adapted for residential PV systems. Users can easily read module-level data and alarms, realize remote operation and maintenance of the microinverter system at any time and any place on S-Miles Cloud.

Features

01 Module-level monitoring and data storage

02 Plug and play, easy installation

03 Lightweight and compact design

04 Real-time microinverter data and alarm on S-Miles Toolkit

05 Sub-1G wireless solution with microinverter

06 Remote system management on S-Miles Cloud

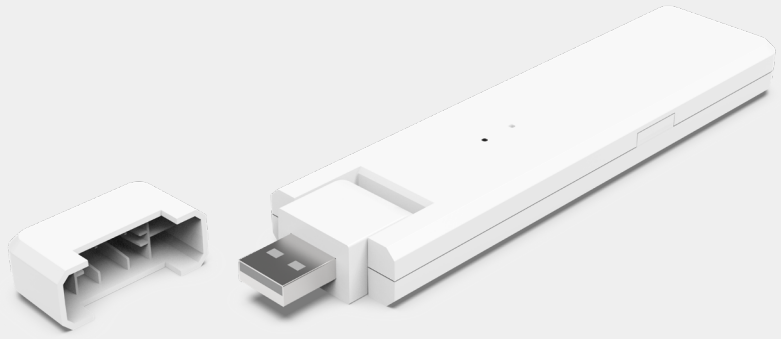
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Technical Specifications

Model	DTU-WLite-S
Communication to Microinverter	
Type	Sub-1G
Maximum distance (open space)	400 m
Monitoring data limit from solar panels[1]	4
Communication to S-Miles Cloud	
Signal	802.11b/g/n
Sample rate	Per 15 minutes
Interaction	
LED	LED Indicator
Local App	S-Miles Toolkit
Power Supply (Adapter)	
Type	External adapter
Adapter input voltage/frequency	100 to 240 V AC / 50 or 60Hz
Adapter output voltage/current	5V / 2A
Power consumption (DTU)	Typ. 1.0W / Max. 5.0W
Mechanical Data	
Ambient temperature range (°C)	-20 to +55
Dimensions (W × H × D mm)	143 × 33 × 12.5
Weight (kg)	0.1
Installation option	Direct plug-in
Compliance	
Certificate	CE
Microinverter Compatibility	
Microinverter model	HMS series

*1 This depends on the installation environment. Please refer to user manual for more details.

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Data Transfer Unit Datasheet

DTU-Lite-S

Description

Hoymiles gateway DTU-Lite-S is a data transfer unit which collects information and data of PV microinverter via Sub-1G wireless solution and sends them to S-Miles Cloud, Hoymiles Monitoring Platform, using Wi-Fi communication.

With small size and easy installation, DTU-Lite-S is suitable for residential PV systems. Users can easily read module-level data and alarms, realize remote operation and maintenance of the microinverter system at any time and any place on S-Miles Cloud.

Features

01 Module-level monitoring and data storage

02 Plug and play, easy installation

03 Sub-1G wireless solution with microinverter

04 Real-time microinverter data and alarm on S-Miles Toolkit

05 Remote system management on S-Miles Cloud

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Technical Specifications

Model	DTU-Lite-S
Communication to Microinverter	
Type	Sub-1G
Maximum distance (open space)	400 m
Monitoring data limit from solar panels[1]	99
Communication to S-Miles Cloud	
Signal	802.11b/g/n
Sample rate	Per 15 minutes
Interaction	
LED	LED Indicator
Local App	S-Miles Toolkit
Power Supply (Adapter)	
Type	External adapter
Adapter input voltage/frequency	100 to 240 V AC / 50 or 60Hz
Adapter output voltage/current	5V / 2A
Power consumption (DTU)	Typ. 1.0W / Max. 5.0W
Mechanical Data	
Ambient temperature range (°C)	-20 to +55
Dimensions (W × H × D mm)	143 × 33 × 12.5
Weight (kg)	0.1
Installation option	Direct plug-in
Compliance	
Certificate	CE, FCC, IC, RCM, Anatel
Microinverter Compatibility	
Microinverter model	HMS series, HMT series

*1 This depends on the installation environment. Please refer to user manual for more details.

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Data Transfer Unit Datasheet

DTU-Pro-S

Description

Hoymiles gateway DTU-Pro-S is a data transfer unit which collects the information and data of PV microinverter using the Sub-1G wireless solution and sends to Hoymiles Monitoring System, S-miles Cloud, using different communication options such as Ethernet, WiFi or 4G.

With DTU-Pro-S, users can easily read the module-level data and alarm, realize remote operation and maintenance of the microinverter system at any time and any place on S-miles Cloud.

Features

01

Reliable and Flexible

- *Sub-1G wireless solution enables stable communication with HMS, HMT series of microinverter*
- *More communication options with Ethernet, Wi-Fi or 4G*
- *Support of RS485, Ethernet to communicate with peripherals*

02

Simple and Efficient O&M

- *Module-level monitoring and data storage*
- *Local configuration with S-miles Toolkit*
- *Support remote O&M including remote upgrading, parameter setting*

03

Smart

- *Smart zero export control and power export limiting*
- *PV generation and load consumption monitoring*

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Technical Specifications

Model	DTU-Pro-S(WIFI Version)	DTU-Pro-S(4G Version)
Communication to Microinverter		
Signal	Sub-1G	
Maximum distance (open space)	400m	
Monitoring data limit from solar panels[1]	99	
Communication to S-miles Cloud		
Ethernet	RJ45*1, 100Mbps	
Wireless[2]	WIFI:802.11b/g/n	4G:TDD-LTE, FDD-LTE 3G:SCDMA 2G:GSM/GPRS
Sample rate	Per 15 minutes	
Communication to Peripherals		
RS485	COM*1, 9600bps, Modbus-RTU	
Ethernet	RJ45*1, Modbus-TCP	
DRM (For AU/NZ only)	RJ45*1, DRM0/5/6/7/8	
Interaction		
LED	LED Indicator*4 – RUN, Cloud, MI, ALM	
APP	S-miles Toolkit	
Power Supply (Adapter)		
Type	External adapter	
Adapter input voltage/frequency	100 to 240 V AC / 50 or 60Hz	
Adapter output voltage/current	5V / 2A	
Power consumption	Typ. 1.5W / Max. 3.0W	Typ. 2.5W / Max. 5.0W
Mechanical Data		
Ambient temperature(℃)	-20°C to 55°C	
Dimensions(W×H×D)	200mm×101mm×29mm (without antennas)	
Weight	0.20 kg	
Installation method	Wall mounting / Desktop mounting	
Environmental rating	Indoor-IP20	
Compliance		
Certificates	CE, FCC, IC, RCM, Anatel	
Microinverter Compatibility		
Microinverter model	HMT-2250/1800-6T HMS-2000/1800-4T, HMS-1500/1200-4T HMS-1000/900-2T, HMS-800/700/600-2T HMS-500/450/400/350/300-1T	

*1 Depending on the installation environment, please refer to user manual for more details.
*2 If the DTU installation location is inside a metal box or under the metal/concrete roof, extended antenna will be suggested.

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