

GridLight™ Controller Features

Brochure - comparison

Feature	AmsCPU			AmsCPU-IO			gridCPU		gridDOT	
	- 2G	- 4G	- NB	- 2G	- 4G	- NB	- LoRa	- LTE	- LoRa	- LTE
2G	x	x	x	x	x	x		x		x
4G		x			x					
NB-IoT			x			x		x		x
LTE-M1			x			x		x		x
LoRaWAN							x			
External antenna	x	x	x	x	x	x	x	x		
Internal antenna									x	x
SIM card socket	x	x	x	x	x	x		x		x
eSIM option		x	x		x	x		x		x
Ethernet	x	x	x	x	x	x				
WiFi built-in							x	x	x	x
WiFi USB option	x	x	x	x	x	x				
GNSS								x		x
RTC with battery backup	x	x	x	x	x	x	x	x	x	x
Relays built-in				3	3	3	3	3		
Relay add-on module support	x	x	x	x	x	x				
Varistors built-in							x	x		
Analog light sensor input	x	x	x	x	x	x	x	x		
Leakage current sensor option				x	x	x				
Leakage current add-on module support	x	x	x	x	x	x				
3-phase current sensor add-on module support	x	x	x	x	x	x				
3 phase voltage monitoring	x	x	x	x	x	x				
Door open monitoring	x	x	x	x	x	x				
Battery backup add-on module support	x	x	x	x	x	x				
Modbus built-in				x	x	x		x		
Modbus add-on module support	x	x	x	x	x	x				
MBUS meter add-on module support	x	x	x	x	x	x				
DLMS/COSEM built-in				x	x	x				
DLSM/COSEM meter add-on module support	x	x	x	x	x	x				
Euridis meter add-on module support	x	x	x	x	x	x				
RS485 module add-on support	x	x	x	x	x	x				
S0 built-in				x	x	x				
PT-100 thermo sensor add-on module support	x	x	x	x	x	x				
DALI built-in									x	x
DALI add-on module support	x	x	x	x	x	x				
TravelTime™ traffic monitoring option	x	x	x	x	x	x				
Air Quality pollution monitoring option	x	x	x	x	x	x				
Bespoke sw solutions option	x	x	x	x	x	x				
Remote OTA update OS	x	x	x	x	x	x		x		x
Remote OTA update application software	x	x	x	x	x	x	x	x	x	x
Wireless OS/SW update from app							x	x	x	x
USB interface	x	x	x	x	x	x				
ABUS interface	x	x	x	x	x	x				
RS232 interface	x	x	x	x	x	x				
Bluetooth BLE Build In							x	x	x	x
Bluetooth USB option	x	x	x	x	x	x				
Analog input (can be digital)	2	2	2	2	2	2	1	2 (4)		
Digital input	1	1	1	1	1	1				
12V power out	x	x	x	x	x	x		x		
5V power out							x			
DIN rail mount	x	x	x	x	x	x	x	x		
Zhaga mount									x	x
230V AC power supply - 3 phase (one needed)	x	x	x	x	x	x				
230V AC power supply - 1 phase	x	x	x	x	x	x	x	x		
24V DC power supply via Zhaga									x	x
12V DC alternative power supply	x	x	x	x	x	x		x		
Operating System	Linux	Linux	Linux	Linux	Linux	Linux	FreeRTOS	FreeRTOS	FreeRTOS	FreeRTOS

All specifications are subject to changes

GridLight Controller Feature Matrix/05-12-2023/v0004

omplex