The Champion's Choice

Higher · Faster · Smarter

FOX ESS

Smart FG

REMOTE MONITORING



- Clean and compact design
- User-friendly monitoring App
- Monitor your system from anywhere
- 24/7 monitoring

The Smart FG is an intelligent USB-enabled device allowing you to monitor the status and performance of your Fox ESS system via the Fox ESS Cloud remote monitoring platform. The Smart FG is ideal in situations where there is no reliable WiFi or GPRS connection available.

System owners and installers can easily keep up to date with performance data in real-time, view historic records and monitor system alerts.

STRONG SIGNAL

EASY INSTALLATION

IP65 RATED

SAFETY

www.fox-ess.com

TECHNICAL SPECIFICATIONS

MODEL	Smart FG
POWER RATINGS	
Input Voltage [V]	DC 5-12
Power Consumption [W]	1
Transmit Power(WiFi)	20dBm@2.4GHz, 18dBm@5GHz
Transmit Power(Bluetooth)	20dBm
Transmit Power(4G)	25dBm
4G FEATURE PARAMETERS	
Radio Frequency	FDD: B1/ 3/ 5/ 7/ 8/ 20/ 28
Operator	Vodafone/Orange
Operating frequency [MHz]	LTE-FFD B1 Tx：1920~1980MHz，Rx：2110~2170 MHz LTE-FFD B3 Tx：1710~1785MHz，Rx：1805~1880 MHz LTE-FFD B5 Tx：824~849MHz，Rx：869~894 MHz LTE-FFD B7 Tx：2500~2570MHz，Rx：2620~2690 MHz LTE-FFD B8 Tx：880~915MHz，Rx：925~960 MHz LTE-FFD B20 Tx：823~826MHz，Rx：791~821MHz LTE-FFD B28 Tx：703~748MHz，Rx：758~803 MHz
WIFI FEATURE PARAMETERS	
Wireless standards	802.11 ax/ac/b/g/n
Security	WPA/WPA2/WPA2-Enterprise/WPA3
Working mode	Station/AP/Station + AP
Distribution network mode	WEB/APP(Bluetooth)
Operating frequency [MHz]	Band 1 2.4G: 2412~2482 Band 2 5G: 5180~5885
COMMUNICATION	
Communication interface	RS485
Communication parameter [bps]	9600 8/N/1 (Default)
ANTENNA	
Antenna 4G	External Rod Antenna
Antenna WIFI	Antenna internal
SIM	
SIM	Nano SIM
CONNECTOR	
Connector	USB Type A
LED INDICATE	
Red LED	Flashes slowly (1 flash per second): connect to server successfully; Flashes rapidly (500ms interval): Failed to connect to server
Green LED	Flashes slowly (1 flash per 30 seconds): Data of inverter updated successfully
MECHANICAL	
Dimension (W * H * D) [mm]	266.5 x 50.7 x 34.7
Weight [g]	84
Installation type	Plug-in
ENVIRONMENT	
Operating temperature [°C]	-25~60
Operating humidity [%]	≤95, Non-condensing
Working altitude [m]	≤4000
IP level	IP65 (Degrees of protection against solid foreign objects and water IP65)
Fire rating	UL94 V-0
UV resistance grade	F1