



Logical & Analogical status transfer 869MHz – 500mW LICENCE FREE for “long range” applications



These systems enable **one-way transmission of 8 digital states or 4 analog quantities** over 4km.

In DIGITAL version, the transmitter is provided with **8 binary inputs to 8 “open collector” outputs or 4 relay outputs**.

In ANALOG version, the 4 outputs copy the value of the corresponding input. This is a **4-channel / 8-bit system**, with **0-5 V** voltages or **0-20 mA** currents.

They are available in daughter board version to be integrated or in **approved IP65 enclosure version**.

The applications covered range from **information transfer**, remote controls, to triggering security systems... in sectors of activity such as **automation**, robotics, **remote management** ... and more generally **all types of applications requiring long range or in a particularly disturbed environment**.

Specifications

• Frequency	869.525MHz
• Radiated RF power	500mW / 50 ohms
• Sensitivity	-103dBm
• Rated consumption	30/450mA
• Operating temperature	-20 / +70°C
• IP65 box	145 x 100 x 40mm + 170mm antenna

Logical version

Transmitter

- 8 dry contact outputs

Zin > 50kOhms

« Open collectors » receiver

- Supply voltage
- Collector voltage
- Max. absorbable current outputs 1 to 7
- Max. absorbable current output 8
- **Receipt validity output**

9 to 30Vdc
Vce max. 30V
100mA
1A

« relays » receiver

- Supply voltage
- Switching capacity
- « radio link status » output
- Rated consumption
- **NO contact on outputs 1, 2 or 4 – NO/NC contact on output 3**

15 to 30Vdc
10A/250V
Disabled or on on relay 1 or 3 as required
53mA (except output)

Analogical version

- Rated consumption
- **Four 8-bits outputs**
- **Serial data output**
- **Receipt quality output**

53mA (except output)

Alternative versions

ARF6188E : LOGICAL transmitter
ARF6189E : « Open collectors » LOGICAL receiver
ARF6678E : « 4 relays » LOGICAL receiver
ARF6493E : ANALOGICAL transmitter
ARF6494E : ANALOGICAL receiver

Your distributor