

## Alarm signal transmission device

The **Arrow** family of communicators is designed to transmit signals from alarm systems to monitoring stations. The devices are available in three versions: **Solo**, **Duo** and **Mini**. Solo and Duo are advanced communicators with a number of input and output ports, an alarm system function, and their own power supply. Mini is an economical solution for those who only want to transmit signals from an alarm system. The Solo and Mini versions operate via 2G or 3G GSM (GPRS / SMS), while Duo additionally uses a LAN / WAN connection.

**Flexibility** - the built-in DTMF socket as well as compliance with Ademco 4/2, Contact ID and SIA protocols, and for Solo and Duo 8 EOL input lines, 2 NO/NC tamper outputs and 2 OC outputs enable integration with a wide range of control panels. The device is available in three versions: Solo and Mini - GSM (GPRS/SMS), and Duo - LAN with backup GSM (GPRS/SMS). In addition, the Solo and Duo versions allow for operation in simple alarm system mode, while in the case of Duo optional extension modules can be connected via LAN.

**Cost reduction** - Arrow has been designed not only with low purchase and installation costs in mind, but also subsequent control of operating costs. The amount of transmitted and received information is continuously recorded and reported, enabling rapid response if set data or SMS limits are exceeded. Furthermore, the Duo version uses LAN as its main communication channel, which significantly reduces GSM transmission costs.

**Ergonomics** - The Arrow communicator is quick and easy to install and configure. Settings can be adjusted by PC using a normal USB cable. With a range of LEDs to indicate the unit status, and a function button to test communication, we have reduced the need to contact the monitoring center during device startup, or for possible diagnosis of problems. Full configuration and device activation can also be done remotely via LAN, GPRS or SMS (basic functions).

**Power supply** - Arrow Solo and Duo are equipped with their own power supply with an optional battery. The mini version takes power directly from the alarm system.

**Certificates** - In addition to the credentials required to meet safety and CE emissions standards, for which we provide manufacturer certification, Arrow can also come with attestation confirming compliance with the alarm system standard EN 50136 grade 3.

**Communication** - all Arrow transmitters are available in two versions, 2G or 3G.

## Technical specification

	Arrow Mini	Arrow Solo	Arrow Duo
Communication channel	GSM (GPRS, SMS, CLIP)	GSM (GPRS, SMS, CLIP and optionally VOICE)	WAN/LAN and GSM (GPRS, SMS, CLIP and optionally VOICE)
Inputs	PSTN (Ademco 4/2, ContactID, SIA)	8 (EOL/NO/NC) + 2 TAMPER (NO/NC), PSTN (Ademco 4/2, ContactID, SIA), microphone and speaker	
Outputs	none	2 x OC	2 x OC
Service socket	mini USB (standard cable)		
User interface	4 LED (POWER, ERROR, GSM, PSTN)	5 LED (POWER, ERROR, GSM, NO/NC, PSTN)	6 LED (POWER, ERROR, WAN/LAN, GSM, NO/NC, PSTN)
	2 buttons: FUNCTION (communication test, GSM signal, detailed status information, restore factory settings), RESET		
SIM card	micro SIM	SIM	
Event memory	last 500 events		
Remote configuration and firmware replacement	YES (LAN/GPRS and partially SMS)		
Alarm panel function	NO	YES	
Encryption	YES (VMPC)		
GSM modem	Quectel M10 4-band (2G) or Quectel UC15 (3G), SMA socket		
Power supply	12 V DC	14 V AC 12 V DC gel battery	
Maximum power consumption	200 mA		
Dimensions (length x width x height)	105x73x18 mm	148x102x30 mm	158x102x30 mm

