Expansion module (Ethernet) – MANUAL



ORDER-CODES:
KIO7053, KIO7052, KIO7060, KIO7017

DATASHEET KIO7017,
DATASHEET KIO7052,
DATASHEET KIO7053,
DATASHEET KIO7060,
Quick Start Manual

Overview

The expansion module (Ethernet) integrates a variety of inputs and outputs in one compact device. The expansion module is used to connect external alarm messages to KentixONE. The module is network-compatible and is powered either via Power over Ethernet (PoE) or an external power supply (12-30VDC, 4.5W).

© Kentix GmbH. This file was automatically generated on 2026-11-11 06:05:09. Please visit docs.kentix.com for the latest documentation.

The configuration of the network settings of the expansion module is done via the web browser. The configuration of the alarm and display logic takes place on the Main Device.

Safety instructions

Installation
Installation and commissioning may only be carried out by trained specialist personnel in accordance with the instructions.
No modifications of any kind may be made to Kentix GmbH products, with the exception of those described in the relevant instructions.
When installing Kentix devices, certain degrees of protection must be guaranteed.
Observe the relevant regulations for installations in the respective environment.
Only operate the products within the defined temperature range.
The instructions should be passed on to the user by the person carrying out the installation.
Kentix accepts no liability for damage to the devices or components caused by incorrect installation. Kentix accepts no liability for incorrectly programmed units.
Kentix accepts no liability for faults, material damage or other damage.
Use of the products, transport and storage
Protect the device from
moisture, dirt and damage during transportation, storage and operation.
Battery powered products
Do not use the products in potentially explosive atmospheres.
Only operate the products within the defined temperature range.
Installation and battery replacement may only be carried out by trained specialist personnel in accordance with the instructions.
Do not charge, short-circuit, open or heat batteries.
Observe the correct polarity when inserting the batteries.
The devices must always be operated with the batteries intended for the product.
When changing the batteries, always replace all batteries.
Dispose of old or used batteries properly.
Keep batteries out of the reach of children.
Maintenance
Kentix devices must be checked for functionality as part of annual maintenance.
Disposal
Electrical appliances and batteries must be disposed of separately from household waste.

Variants

There are 3 expansion modules (Ethernet) available, which differ in the number of inputs and outputs. The differences are shown in the following table:

© Kentix GmbH. This file was automatically generated on 2026-11-11 06:05:09. Please visit docs.kentix.com for the latest documentation.

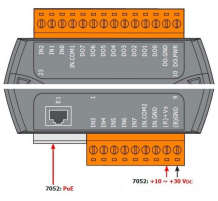
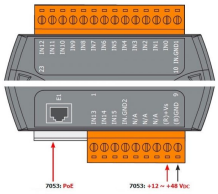
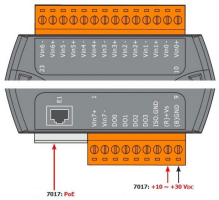
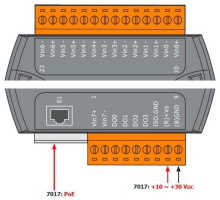
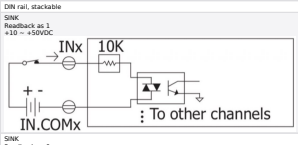
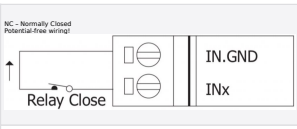
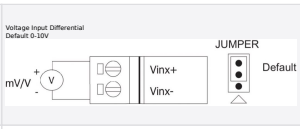
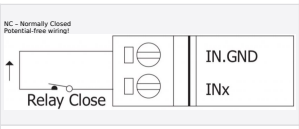
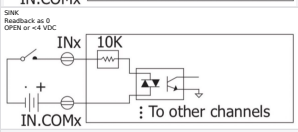
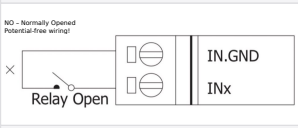
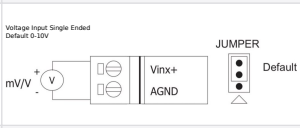
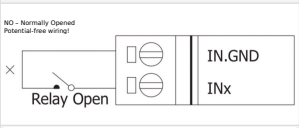
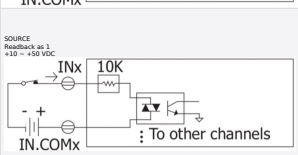
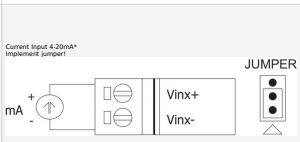
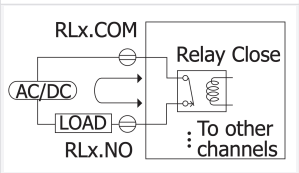
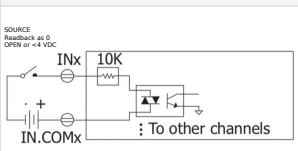
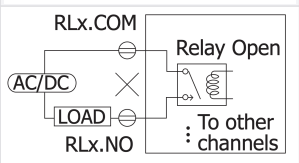
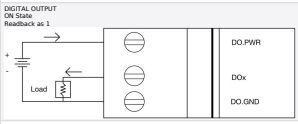
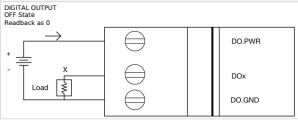
Model	KIO7052	KIO7053	KIO7017	KIO7060
				
Digital inputs	8	16	-	6
Digital outputs	8	-	4	-
Analog inputs	-	-	8	-
Relay outputs	-	-	-	6
Protocol	Modbus TCP			
IP Port	502 TCP			
Configuration network	Web Server HTTP, Port 80Default IP: 192.168.255.1 (Admin/Admin)			
Configuration via KentixONE	Configuration is done completely via KentixONE. Only IP settings on IO module necessary. Alarm and display logic is freely adjustable in KentixONE.			
Power supply	PoE (Class 2) or external 12-30VDC			
Mounting	DIN rail, stackable			
Connection variant 1				
Connection variant 2				
Connection variant 3		-		
Connection variant 4		-	-	
Connection variant 5		-	-	-
Connection variant 6		-	-	-

Table KIO70xx

Determination of the measuring range for KIO7017

To change from voltage measurement 0-10V (default) to current measurement 4-20mA the jumper inside the housing must be changed.

Factory settings

© Kentix GmbH. This file was automatically generated on 2026-11-11 06:05:09. Please visit docs.kentix.com for the latest documentation.

Default IP address	192.168.255.1
Subnet mask	255.255.255.0
User	Admin
Password	Admin

Commissioning

The modules can optionally be supplied with voltage via PoE or via an external power supply unit. When using a power supply unit, be sure to observe the information on the voltage supply in the data sheet.

Configuration with KentixONE

The device is configured via the web browser in KentixONE. The device must be accessible to the central KentixONE instance on the network side. Depending on the device type, a communication key and the IP address or DHCP name of the central KentixONE instance must also be set on the device (MultiSensors, AccessManager, SmartPDU). IP cameras or IO modules, on the other hand, can be integrated directly into KentixONE.

All information about the software can be found in the KentixONE section and the associated documentation.

Before starting the configuration, make sure that the software on all network-compatible Kentix devices is up-to-date. The version status must match on all devices.
You can perform a software update for your KentixONE main instance and all connected satellites at any time via “System – Update”.

© Kentix GmbH. This file was automatically generated on 2026-11-11 06:05:09. Please visit docs.kentix.com for the latest documentation.