



Ethernet modules for AIST electricity meters

USER MANUAL

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1. PURPOSE

Ethernet modules are integrated into the AIST A100 single-phase electricity meter and the AIST A300 three-phase electricity meter from ICBCCom LLC. These modules simplify remote reading and additional information from the meters. The Ethernet modules operate on any Ethernet network and are fully compatible with the global internet.

2. TECHNICAL CHARACTERISTICS

The technical characteristics of the Ethernet modules built into the meters are presented in Table 1. Table 1.

Technical characteristics of the Ethernet modules

Name of the characteristic	Meaning
Supply voltage	12 volts
Current consumption	For a 1-phase AIST meter - no more than 125 mA For a 3-phase AIST meter - no more than 400 mA
Power supply of the device	carried out from the AIST electricity meter
Data transfer rate via 10\100 Base T interface	up to 100 Mbit/s
Mean time between failures	at least 150,000 hours
Service life	20 years
Installation	The module is built into the AIST electricity meter (1-phase and 3-phase)
Overall dimensions	For 1-phase meter AIST - 70 x 50 x 28 mm For 3-phase meter AIST - 95 x 65 x 28 mm