Chassis series in the AXIe-0 standard

AXIe standard chassis are designed for use in modular measurement information systems based on the AXIe standard. The chassis is designed to accommodate the system module in it, in the first slot, and AXIe tool modules placed in the remaining slots.
The chassis provides the modules with 48 V DC electrical power, information communication via ETHERNET interfaces with the system module and a physical address (individual for each slot). In addition, each module is provided with 12 trigger signals (trigger events) and a clock frequency of 100 MHz. The clock frequency can be generated either from the internal generator of the system module, or from a stable signal coming from outside with a frequency of 10 MHz.
The system module provides communication via the Ethernet interface (10/100/1000BASE-TX) with the control computer and provides input connectors/output of a single trigger event and a clock frequency of 10 MHz. The chassis meets the requirements of the AXIe-1.0 Base Architecture Specification.
According to the climatic conditions of use, the chassis belongs to the category provided for by GOST R IEC 61587-1, versions according to IEC 60297 (climate test-C1, industrial atmosphere-A1, static load-SI1, dynamic load-DL1, protective measures-IP20, application area-closed space without special impact with air temperature from plus 5 to plus 40 ° C and humidity from 20 to 80 %).

Specifications

	CH-04 AXIe	**CH-06 AXIe**	**CH-09 AXIe-0**	**CH-14 AXIe-0**
				
Number of free slots (number of free slots for accommodating instrumental modules)	4 (3)	6 (5)	9 (8)	14 (13)
Module supply voltage	48 B			
Interface	Ethernet (10/100/1000BASE-TX)			
Maximum transmit/ receive bandwidth	1/1 Gbit			
Electrical isolation of mains supply circuits relative to the housing	1500 V RMS AC 50 Hz			
Number of fans, number of operating modes	3/4	6/4	9/4	12/4
Total flow through the CFM chassis (cubic feet per minute)	156,18	312,36	468,54	624
External power	single-phase AC network, voltage 100 - 240 V, frequency 47 - 63 Hz			
Overall dimensions, mm	420 x 466 x 166	466 x 394 x 224	466 x 394 x 315	435 x 470 x 390