

AM4140 AMC COMPUTING MODULES

Product Data Sheet

AM4140 AM4140-SA-1.5(E)O-4-FR

Multicore AMC processor module

PROCESSOR CLOCK	MANAGEMENT SUPPLY	PAYLOAD SUPPLY	AMC SPECIFICATION
1.5 GHz	3.3 V DC	12 V DC	PICMG AMC.0 R2.0

Kontron AM4140 AM4140-SA-1.5(E)O-4-FR is a processor module in the AM4140 AdvancedMC family for embedded computing in compatible MicroTCA equipment. The platform combines Freescale QorIQ processing with configurable high-speed backplane interfaces for communication and industrial computing applications.

01 VERIFIED TECHNICAL DATA

Processor clock	1.5 GHz
Management supply	3.3 V DC
Payload supply	12 V DC
AMC specification	PICMG AMC.0 R2.0
MicroTCA specification	MicroTCA.0 R1.0
Rear Ethernet ports	Ports 0 and 1: Gigabit Ethernet
Ports 4 to 7 interfaces	PCIe x4 / Serial RapidIO x4
Ports 8 to 11 interfaces	PCIe x4 / Serial RapidIO x4 / XAUI / SGMII
COM1 electrical interface	RS-232
COM2 electrical interface	3.3 V TTL

ADDITIONAL PRODUCT DATA

Removable storage	1 microSD socket
Watchdog interval	125 ms to 4096 s, 16 steps
Vibration resistance	5 to 150 Hz, 1 g
Shock resistance	15 g, 11 ms
Humidity test	93% relative humidity at 40 deg C

DOCUMENTED USE SETTINGS

Telecommunications Infrastructure and Network Communication Processing: Telecommunications Network Infrastructure.

Defence Communication and Tactical Information Processing: Tactical Communication Network Processing.

Industrial Image Processing and Automated Production Inspection: Industrial Image Data Processing.

SYSTEM COMPATIBILITY

Kontron AM4140 AM4140-SA-1.5(E)O-4-FR is a processor module in the AM4140 AdvancedMC family for embedded computing in compatible MicroTCA equipment. The platform combines Freescale QorIQ processing with configurable high-speed backplane interfaces for communication and industrial computing applications.

PRODUCT EVIDENCE

Kontron AM4140 AMC computing modules applicable manufacturer documentation

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM