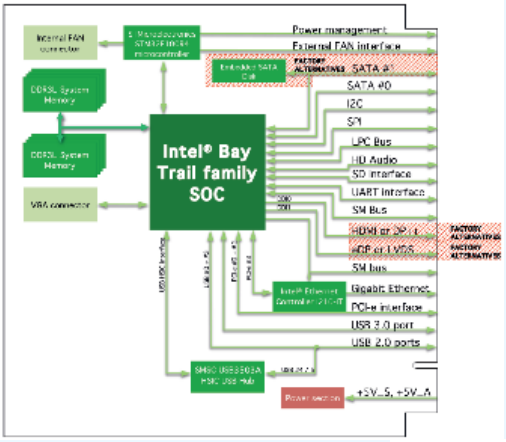
Product Name: Q7-974



Highlights	• SATA Flash Drive soldered on-board • Security enhancement and content protection • Available in Industrial temperature range • Integrated 64-bit memory controller • Low power solution
Part Number	Q7-974
Main Fields of Application	• Industrial Automation and control • HMI • Biomedical/Medical devices • Measuring Instruments
Processor	Intel® Atom **E3845**, Quad Core @1.91GHz, 2MB Cache, 10W TDP Intel® Atom™ **E3827**, Dual Core @1.75GHz, 1MB Cache, 8W TDP Intel® Atom™ **E3826**, Dual Core @1.46GHz, 1MB Cache, 7W TDP Intel® Atom™ **E3825**, Dual Core @1.33GHz, 1MB Cache, 6W TDP Intel® Atom™ **E3815**, Single Core @1.46GHz, 512KB Cache, 5W TDP Intel® Celeron® **J1900**, Quad Core @2.0GHz, 2MB Cache, 10W TDP Intel® Celeron® **N2930**, Quad Core @1.83GHz, 2MB Cache, 7.5W TDP Intel® Celeron® **N2807**, Dual Core @1.58GHz, 1MB Cache, 4.3W TDP
Max Cores	4
Memory	Soldered on-board DDR3L memory E3845, E3827, J1900, N2930: up to 8GB Dual-Channel DDR3L @ 1333MHz E3826: up to 8GB Dual-Channel DDR3L @ 1066MHz N2807: up to 4GB Single-Channel DDR3L @ 1333MHz E3825, E3815: up to 4GB Single-Channel DDR3L @ 1066MHz
Graphics	Integrated IntelR HD Graphics 4000 series controller Dual independent display support HW decoding of H.264, MPEG2, MVC, VC1, VP8, MJPEG formats HW encoding of H.264, MPEG2 and MVC formats
Video Interface	HDMI or Multimode Display Port interface Embedded Display Port or 18 / 24 bit dual channel LVDS interface
Video Resolution	HDMI: Up to 1920x1080p@60Hz Display Port, eDP, CRT: Up to 2560x1600@60Hz Optional LVDS interface: Up to 1920x1200@60Hz
Mass Storage	Up to 2 x external SATA channels SD interface Optional SATA Flash Drive soldered on-board



Networking	Gigabit Ethernet interface
USB	1 x USB 3.0 Host port 6 x USB 2.0 Host ports (one shared with USB 3.0 interface)
PCI-e	3 x PCI-e x1 lanes
Audio	HD Audio interface
Serial Ports	1 x Serial ports
Power Supply	+5VDC ±5%
Operating System	MicrosoftR Windows 7 (32 / 64 bit) MicrosoftR Windows 8.1 (32 / 64 bit) MicrosoftR Windows 10 (32 / 64 bit) MicrosoftR Windows 10 IoT MicrosoftR Windows Embedded Standard 7 (32 / 64 bit) MicrosoftR Windows Embedded Standard 8 (32 / 64 bit) MicrosoftR Windows Embedded Compact 7 Linux (32 / 64 bit) Yocto
Operating Temperature	0°C ÷ +60°C (Commercial version) -40°C ÷ +85°C (Industrial version)
Dimensions	70 x 70 mm (2.76” x 2.76”)