◇DATALOGIC

VISION

MX-Series Vision Processors provide the highest performance in image processing with even more flexibility through multi-camera support. Three models allow you to choose the correct level of performance based on your application needs.

MX20 Vision Processor
The MX20 Series is an entry-level, affordable processor. This rugged, compact model features an Intel® T3100 dual core 1.90 GHz processor and two independent PoE (Power over Ethernet) camera ports. The MX20 is easy to deploy, supporting up to two 2.0 Megapixel area scan cameras for a wide range of flexible, robust inspection tasks. The MX20 offers a cost-effective mean to migrate from smart-camera applications to an embedded vision system.

MX40 Vision Processor
The MX40 Series is a ruggedized and compact embedded vision processor that features Intel® multi-core processors and four independent PoE (Power over Ethernet) camera ports. The MX40's long-life embedded components provide a very robust and reliable vision system for critical inspection applications. The MX40 eliminates the need to purchase and install multiple smart cameras thus saving additional costs and reducing setup and networking time.

MX80 Vision Processor
The next-generation MX80 Vision Processor extends the power and performance of MX-Series to faster applications, advanced algorithms and higher-resolutions. The MX80, with its Intel® Core™ i7 quad-core microprocessor, 4GB memory and four independent Gigabit PoE (Power over Ethernet) ports provides more image processing speed and power for up to four unique MX-Series camera inspections running parallel.

HIGHLIGHTS

- Multi-camera capability – Reduces integration costs on a per camera basis and allows data collection and analysis from multiple inspection points
- Supports over 100 different GigE Vision cameras including line scan, high resolution and IP rated cameras – Provides access to the largest selection of cameras
- Allows use of different camera formats and resolutions on one processor – Offers easy setup resulting in reduced integration costs
- Complete Impact software suite included for ultimate programming flexibility – Addresses any inspection and user interface needs
- 2 or 4 Channel Power over Ethernet (PoE) camera ports – Integrates easily. PoE compliant cameras need no power cables and support up to 100 meter cable lengths

TECHNICAL SPECIFICATIONS

	MX20	MX40	MX80
CPU	Intel® T3100 dual-core 1.90 GHz	Intel® P8400 dual-core 2.26 GHz	Intel® Core i7-2710QE 4-core 2.10 GHz
System Memory	4 GB DDR3 RAM		4 GB DDR3 RAM 8 GB DDR3 RAM (Win 7)
Storage	40 GB (Win XP) 80 GB (Win 7)		
Graphics	Intel® GM45/ICH9 video chipset (1600 x 1200 resolution), VGA		Intel® QM67 Express chipset (2048 x 1536 resolution), DVI
Camera Interface	2x 1000 Mbps Base-T, PoE camera ports (up to 7 W per channel)	4x 1000 Mbps Base-T, PoE camera ports (up to 7 W per channel)	
Camera Imager Limit	2Mpixel or lower No LineScan support	None	
Network Interface	2x 10/100/1000 Mbps Base-T LAN ports		
Serial Communications	2x RS-232 serial ports		5x RS-232 serial ports
USB	3x USB 2.0 ports		4x USB 2.0 ports 2x USB 3.0 ports
Keyboard/Mouse	Combined PS/2 type mini-DIN connectors		
Comm Connectivity	Supports Ethernet/IP, Modbus TCP and OPC		
I/O	16x isolated digital inputs 16x isolated digital outputs 2x event inputs (shared with the Polled Inputs)		
Operating System	Windows XP Pro (32-Bit OS, SP3) Windows 7 Pro Embedded		
Power Requirements	24 VDC (+/- 10%, 3.5 amp min)		
Dimensions	200 mm x 85 mm x 165 mm (7.8 in. x 3.3 in. x 6.5 in.)		230 mm x 82 mm x 206 mm (9.06 in. x 3.23 in. x 8.11 in)
Operating Temperature	0 to 55° C (+32 to +131° F)		
Humidity	0 to 90% (non-condensing)		
Certification (Safety Compliance)	CE/FCC, RoHS, UL		

BENEFITS

- Easily integrates with the PPT Vision A-, T- and C-Series smart cameras for data sharing and intercamera communication without needing a PC
- Lower installation cost
- Combines up to four unique camera capabilities for application-specific requirements

- Simplifies cabling by eliminating the necessity for camera power cables
- Shared processing reduces cost per inspection point
- Increased inspection power delivers higher inspection rates

MODEL SELECTION AND ORDER INFORMATION

DESCRIPTION	ORDER N°
MX20 Vision Processor, Windows 7, 4 GB RAM, 2 Camera Licensed	959912001
MX20 Vision Processor, Windows XP, 4 GB RAM, 2 Camera Licensed	661-0405-MX20
MX40 Vision Processor, Windows 7, 4 GB RAM, 1 Camera Licensed	959914001
MX40 Vision Processor, Windows XP, 4 GB RAM, 1 Camera Licensed	661-0396-M40-1
MX40 Vision Processor, Windows 7, 4 GB RAM, 2 Camera Licensed	959914002
MX40 Vision Processor, Windows XP, 4 GB RAM, 2 Camera Licensed	661-0396-M40-2
MX40 Vision Processor, Windows 7, 4 GB RAM, 3 Camera Licensed	959914003
MX40 Vision Processor, Windows XP, 4 GB RAM, 3 Camera Licensed	661-0396-M40-3
MX40 Vision Processor, Windows 7, 4 GB RAM, 4 Camera Licensed	959914004
MX40 Vision Processor, Windows XP, 4 GB RAM, 4 Camera Licensed	661-0396-M40-4
MX80 Vision Processor, Windows 7, 8 GB RAM, 1 Camera Licensed	959918001
MX80 Vision Processor, Windows XP, 4 GB RAM, 1 Camera Licensed	661-0404-MX80-1
MX80 Vision Processor, Windows 7, 8 GB RAM, 2 Camera Licensed	959918002
MX80 Vision Processor, Windows XP, 4 GB RAM, 2 Camera Licensed	661-0404-MX80-2
MX80 Vision Processor, Windows 7, 8 GB RAM, 3 Camera Licensed	959918003
MX80 Vision Processor, Windows XP, 4 GB RAM, 3 Camera Licensed	661-0404-MX80-3
MX80 Vision Processor, Windows 7, 8 GB RAM, 4 Camera Licensed	959918004
MX80 Vision Processor, Windows XP, 4 GB RAM, 4 Camera Licensed	661-0404-MX80-4

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