

SILENT COMPUTERS FOR THE INDUSTRY



FECT
The Power of Silence

e-FECT OPERATOR STATION



Certified by ABB for 800xA

e-FECT is made with industrial-grade components of the highest quality available. e-FECT is 800xA certified by ABB and recommended to be used in plants and industrial installations.

COMPACT	DURABLE	i5/i7 PROCESSOR	240 GB SSD
SILENT	MADE FOR THE INDUSTRY	WI-FI	16 GB RAM
MINIMAL HEAT PRODUCTION	ENERGY EFFICIENT	2 x 1 Gbps ETHERNET PORTS	CE- APPROVED

The benefits of e-FECT

- No worn out fans or hard drives.
- No clusters of dust between cables.
- No disturbing noises from moving parts.
- No extensive wiring of network cables.
- No energy inefficient cooling of whole areas.
- No monitor extension equipment needed.

Silent and Passive:

- **e-FECT** is completely silent without moving parts, such as fans or rotating hard drives, which decreases the risk of failures. This improves its durability, making **e-FECT** last longer than traditional systems.
- **e-FECT** is small, 240 x 250 x 100 mm (W x D x H). It can easily be placed under a desk or on a wall.

A Restore USB:



- A Restore USB is shipped with every operator station.

e-FECT Operator station 250



Processors	Intel i5 (Gen. 8 & 9)
Chipset	Intel 370
Memory STD/MAX	DDR4 16GB*
Storage	240GB 2,5" SATA SSD*
RAID STD/AVAIL	No RAID*
Audio	1 x HD Audio Port (7,1 Channel) 1 x Digital Optical S/PDIF output
Connections	1 x PS2 mouse or keyboard 6 x USB 3.0 ports (4 on the back, 2 on the front) 2 x USB 2,0 ports (on the back)
Network	2 x 10/100/1000bps Ethernet ports
Wireless	802.11n (300Mb/s) WiFi
Graphics	Intel HD Graphics 1 x DVI-I 1920 x 1200 2 x HDMI 256 x 1600
Operating Systems	Windows 10 and 10 LTSB**
Power Supply	160W NanoPSU with external AC adapter
Chassis Material	Aluminium
Color	Black
Dimensions	240 x 250 x 100 mm (W x D x H)
Weight	3,5 kg
IP Rating	IP20
	*For information about available upgrades, please contact us.
	**For information about e-FECT with Windows 10 LTSB, please contact us.

e-FECT Operator station 270



Processors	Intel i7 (Gen. 8 & 9)
Chipset	Intel 370
Memory STD/MAX	DDR4 16GB*
Storage	240GB 2,5" SATA SSD*
RAID STD/AVAIL	No RAID*
Audio	1 x HD Audio Port (7,1 Channel) 1 x Digital Optical S/PDIF output
Connections	1 x PS2 mouse or keyboard 6 x USB 3.0 ports (4 on the back, 2 on the front) 2 x USB 2,0 ports (on the back)
Network	2 x 10/100/1000bps Ethernet ports
Wireless	802.11n (300Mb/s) WiFi
Graphics	Intel HD Graphics 1 x DVI-I 1920 x 1200 2 x HDMI 256 x 1600
Operating Systems	Windows 10 and 10 LTSB**
Power Supply	160W NanoPSU with external AC adapter
Chassis Material	Aluminium
Color	Black
Dimensions	240 x 250 x 100 mm (W x D x H)
Weight	3,5 kg
IP Rating	IP20
	*For information about available upgrades, please contact us.
	**For information about e-FECT with Windows 10 LTSB, please contact us.

e-FECT Operator station 450



Processors	Intel i5 (Gen. 8 & 9)
Chipset	Intel 370
Memory STD/MAX	DDR4 16GB*
Storage	240GB 2,5" SATA SSD*
RAID STD/AVAIL	No RAID*
Audio	1 x HD Audio Port (7,1 Channel) 1 x Digital Optical S/PDIF output
Connections	1 x PS2 mouse or keyboard 6 x USB 3.0 ports (4 on the back, 2 on the front) 2 x USB 2,0 ports (on the back)
Network	2 x 10/100/1000bps Ethernet ports
Wireless	802.11n (300Mb/s) WiFi
Graphics	Matrox PCIe x 16 4GB RAM 4 x mini Display Port 2560 x 1600
Operating Systems	Windows 10 and 10 LTSB**
Power Supply	160W NanoPSU with external AC adapter
Chassis Material	Aluminium
Color	Black
Dimensions	240 x 250 x 100 mm (W x D x H)
Weight	3,5 kg
IP Rating	IP20

*For information about available upgrades, please contact us.

**For information about e-FECT with Windows 10 LTSB, please contact us.

e-FECT Operator station 470



Processors	Intel i7 (Gen. 8 & 9)
Chipset	Intel 370
Memory STD/MAX	DDR4 16GB*
Storage	240GB 2,5" SATA SSD*
RAID STD/AVAIL	No RAID*
Audio	1 x HD Audio Port (7,1 Channel) 1 x Digital Optical S/PDIF output
Connections	1 x PS2 mouse or keyboard 6 x USB 3.0 ports (4 on the back, 2 on the front) 2 x USB 2,0 ports (on the back)
Network	2 x 10/100/1000bps Ethernet ports
Wireless	802.11n (300Mb/s) WiFi
Graphics	Matrox PCIe x 16 4GB RAM 4 x mini Display Port 2560 x 1600
Operating Systems	Windows 10 and 10 LTSB**
Power Supply	160W NanoPSU with external AC adapter
Chassis Material	Aluminium
Color	Black
Dimensions	240 x 250 x 100 mm (W x D x H)
Weight	3,5 kg
IP Rating	IP20
	*For information about available upgrades, please contact us.
	**For information about e-FECT with Windows 10 LTSB, please contact us.

Comparison Table e-FECT Operator Stations

	e-FECT 250	e-FECT 270	e-FECT 450	e-FECT 470
Processors				
Intel i5 (Gen. 8 & 9)	x		x	
Intel i7 (Gen. 8 & 9)		x		x
Chipset				
Intel 370	x	x	x	x
Memory STD/MAX				
DDR4 16GB*	x	x	x	x
Storage				
240GB 2,5" SATA SSD*	x	x	x	x
RAID STD/AVAIL				
No RAID*	x	x	x	x
Audio				
1 x HD Audio Port (7,1 Channel)	x	x	x	x
1x Digital Optical S/PDIF output	x	x	x	x
Connections				
1 x PS2 mouse or keyboard	x	x	x	x
6 x USB 3.0 ports (4 on the back, 2 on the front)	x	x	x	x
2 x USB 2,0 ports (on the back)	x	x	x	x
Network				
2 x 10/100/1000bps Ethernet ports	x	x	x	x
Wireless				
802.11n (300Mb/s) WiFi	x	x	x	x
Graphics				
1 x DVI-I 1920 x 1200	x	x		
2 x HDMI 256 x 1600	x	x		
Matrox PCIe x 16 4GB RAM			x	x
4 x mini Display Port 2560 x 1600			x	x
Operating Systems				
Windows 10 and 10 LTSP**	x	x	x	x
Power Supply				
160W NanoPSU with external AC adapter	x	x	x	x
Chassis Material				
Aluminium	x	x	x	x
Color				
Black	x	x	x	x
Dimensions				
240 x 250 x 100 mm (W x D x H)	x	x	x	x
Weight				
3,5 kg	x	x	x	x
IP Rating				
IP20	x	x	x	x
*For information about available upgrades, please contact us.				
**For information about e-FECT with Windows 10 LTSP, please contact us.				

AVAILABLE UPGRADES

If you have other needs than the standard e-FECT fulfils, there is a possibility to upgrade. These are the available options:

DDR4 RAM:

32 GB

SSD:

480 GB

800 GB

RAID:

RAID 0

RAID 1

If you wish to upgrade an e-FECT you already purchased, it is possible by sending the computer back to us and we can upgrade it according to the options above. The computer will be tested before the upgrade, then dismantled for the component change and finally tested again before being sent back together with the original component on the side.

Please contact us for more information at info@fect.se.



e-FECT is a high quality operator station

- **e-FECT** is highly energy efficient. In standard operation, e-FECT consumes as little as 40 watt, and produces minimal heat.
- **e-FECT** is a certified product through ABB and works with the 800xA platform.
- **e-FECT** comes with either two or four display ports, which most industrial systems require.
- **e-FECT** is CE approved and is delivered with a two-year warranty.
- **e-FECT** can be configured with either an i5 or i7 processor and a graphic card that runs up to four screens simultaneously.
- **e-FECT** is built with components carefully singled out with a focal point at industrial implementation.

OUR STORY

The mission of FECT is to develop, build and deliver silent computers with no moving parts.

e-FECT Operator Station was first developed in 2014 by Marcus Bodensjö and Carl-Fredrik Johansson, both experienced and dedicated people with a great deal of knowledge and experience in industrial automation systems, complicated hardware construction and also in designing and building computers.

The developers behind e-FECT are genuinely interested in the creation of machines fitted for industrial purposes with its exiting and demanding applications.



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