

Guide to select PC for Operator tools

A

Buy RS Production Industrial
Panel-PC with touch screen



B

Buy new non-industrial PC
with touch screens



C

Use existing PC-stations



D

Buy/use tablets with
Windows



Use existing PC in machine
HMI or similar



Guide to select PC for Operator tools

A - Buy RS Production Industrial Panel-PC with touch screen



Advantages

- + Touch screens makes it easier for operators to report
- + Touch screens helps operators to quickly achieve a good competence level
- + Standard component used on hundreds and hundreds of RS Production measure points
 - + Standard set up instructions available
 - + Support and service contacts made easier
 - + Future program updates are tested against the same type of Panel-PC
- + Designed for 24/7 usage
- + Designed for mounting on vibrating equipment

Risks

- No known risks

[Go to last page for details on the difference between IP64 front and IP65 all over](#)

Guide to select PC for Operator tools

B - Buy new non-industrial Panel-PC with touch screen



Advantages

- + Touch screens makes it easier for operators to report
- + Touch screens helps operators to quickly achieve a good competence level
- + Lower price than an industrial Panel-PC

Risks

- Non industrial PCs / screens are not designed to run 24/7
- Non industrial PCs / screens are not designed to be mounted on vibrating equipment
- RS Production support service can not guarantee to help with all support cases

Hardware specification

OS	Windows XP, Windows Vista, Windows 7, Windows 8, Windows 10
Processor	Dual core processor. Atom 1.6 GHz is the absolutely lowest specification
RAM	This is a critical factor. Recommended is 4GB
Disk	Not as critical. Recommended is to have at least 10 GB available before installation
Touch screen	5 wire resistive
COM-port	If you use RS Blackbox with COM-port you'll at least one COM-port (not emulated USB-port)
Network	If you use RS Blackbox with Ethernet it is important that you have two network cards

Guide to select PC for Operator tools

C - Use existing PC stations



Advantages

+ Minimal cost

Risks

- Can be long distances between operator and the PC
- Other software windows can be placed on top of RS hiding the tool for the operators
- Several different hardware specifications makes it difficult to support a larger installation
- RS Production support service can not guarantee to help with all support cases



Hardware specification

OS	Windows XP, Windows Vista, Windows 7, Windows 8, Windows 10
Processor	Dual core processor. Atom 1.6 GHz is the absolutely lowest specification
RAM	This is a critical factor. Recommended is 4GB
Disk	Not as critical. Recommended is to have at least 10 GB available before installation
COM-port	If you use RS Blackbox with COM-port you'll at least one COM-port (not emulated USB-port)
Network	If you use RS Blackbox with Ethernet it is important that you have two network cards



Guide to select PC for Operator tools

D - Buy/use tablets with Windows



Advantages

- + Relatively low cost
- + Can be carried

Disadvantages

- Can not be used to log RS Blackbox (you will need additional PC for that)

Risks

- Not designed to run 24/7
- Runs out of battery and needs to be charged continuously
- Must be carried and can be hard to find when you need it
- Can be difficult to mount and is not designed to be mounted on vibrating equipment
- Attractive to steal
- RS Production support service can not guarantee to help with all support cases

Hardware specification

OS

Windows 8 Pro or later (Windows 8 RT will not work)

Guide to select PC for Operator tools

Answer the following questions to decide what type of PC that is the best choice for your measure point

	A	B	C	D
	Buy RS Production Industrial Panel-PC with touch screen	Buy new non-industrial PC with touch screens	Use existing PC-stations	Buy/use tablets with Windows
1. Its important that he/she can reach the touch panel directly when standing by the machine/station	A	B	C	D
2. It is import that it can be mounted on a surface that is vibrating	A	B	C	D
3. It is important that the PC can run 24/7	A	B	C	D
4. It is not acceptable with lost uptime because of discharged batteries	A	B	C	D
5. It is important to have a standard component screen that can be replaced with an identical screen later on	A	B	C	D

Guide to select PC for Operator tools

Answer the following questions to decide what type of PC that is the best choice for your measure point

A	B	C	D
Buy RS Production Industrial Panel-PC with touch screen	Buy new non-industrial PC with touch screens	Use existing PC-stations	Buy/use tablets with Windows

6. We already have good PC-stations by the machine/station and we want to re-use them

A	B	C	D
---	---	---	---

7. It is important that RS Production always is easily available and that the user interface is as visible as possible to the operators

A	B	C	D
---	---	---	---

8. It is important the operator can carry the PC with him/her

A	B	C	D
---	---	---	---

Guide to select PC for Operator tools

Advantages with a touch screen Panel-PC placed directly on the machine/equipment

- + Close to operator
 - + Reporting becomes easier and therefor quality on manually reported data is higher
 - + Manual real time reporting is possible
 - + Visual real time information is available all time
- + Takes relatively small space compared to a PC with screen that needs to placed on a table or in some kind of box.

Advantages buying a standard Panel-PC from Good Solutions

- + Standard component used on hundreds and hundreds of RS Production measure points
 - + Standard set up instructions available
 - + Support and service contacts made easier
 - + Future program updates are tested against the same type of Panel-PC
- + RS Production Support team can help with issues on the Panel-PC as well as other RS Production related issues

Guide to select PC for Operator tools

What are the differences between Good Solutions' two different standard Panel PC?

IP-code is a way to describe how rough environments equipment are designed to handle. Follow this link to read more in detail

https://en.wikipedia.org/wiki/IP_Code

Article and name	H100 – 15" Panel PC with IP64 front	H140 – 15" Panel PC with IP65 all over
Moveable parts	None (SSD Disk)	None (SSD Disk)
Fans	None	None
Tech specification	Intel Cedarview D2550, Dual Core 1.86G 2 x DDR3 SO- DIMM up to 4GB, 1066 MHz	Intel Atom Dual Core D2550 1.86Ghz DDR3 1066MHz SO-DIMM, Default 2GB
Performance	1 978 at www.cpubenchmark.net	664 at www.cpubenchmark.net
Typical environments	Mounted on vibrating equipment. IP64 front allows the panel to be mounted in a cabinet in non dry environments.	Mounted on vibrating equipment. IP65 all over allows the panel to be mounted without a cabinet.
How well will this work in a wet environment?	Even when it is mounted in a cabinet water can not be brushed directly at it	Water can be brushed directly at it
Price		Approx 2x the price of H100 15" Panel PC with IP64 front