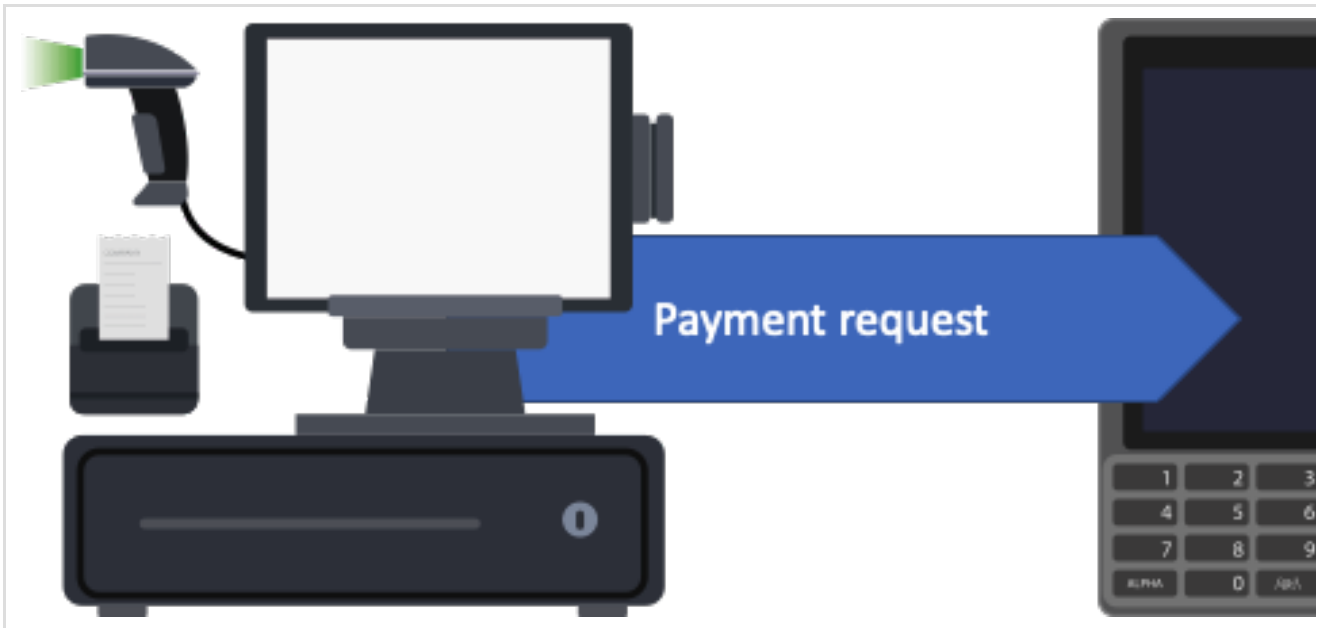


## Local integrations

With a local integration we mean a traditional setup where you connect the Electronic Cash Register (ECR) or POS to the Payment terminal via a physical connection. This could be via cable like with ethernet, USB and Serial RS232, or wirelessly via WiFi and Bluetooth as long as the two can talk to each other without the need for external access.



- Support for offline mode
- Supports multiple communication interfaces \*
- Often requires handling of multiple scenarios for; terminal connection, terminal login, payment transaction, etc.

\*Available communication method is currently Ethernet.

## Feature comparison

<b>Classic:</b>	Only supports EPAS
<b>Carbon:</b>	Support both EPAS and Nexo

	EPAS	Nexo	required
<b>Socket connection</b>	✓	✓	Y
<b>Keep alive</b>	✓	✓	N
<b>Host logon</b>	✓	✓	Y
<b>Admin functions</b>			-
• Extract logs			
• Update parameters			
<b>Purchase</b>	✓	✓	-

EPAS
<p><b>What is EPAS?</b></p> <p>EPAS (Electronic Protocols Application Software) is a non-commercial cooperation between 24 organizations within the payment industry. One of its goals is to ensure the interoperability of protocols at a European level between ECR applications and payment terminals.</p>

NEXO
<p><b>What is NEXO?</b></p>

Refund	✓	✓	-
Cancellation	✓	✓	-
Pre-Auth			-
Cash advance	✓	✓	-
Reversed Acquiring	✓	✓	-
DCC	✓	✓	-

### How does it work?

The EPAS protocol is one method of controlling a payment terminal from an Electronic Cash Register (ECR). The messages sent from the ECR to the payment terminal is sent in XML over a TCP/IP socket.

nexo standards enables fast, interoperable and borderless payments acceptance by standardising the exchange of payment acceptance data between merchants, acquirers, payment service providers and other payment stakeholders. nexo's messaging protocols and specifications adhere to ISO20022 standards, are universally applicable and are freely available globally.

### How does it work?



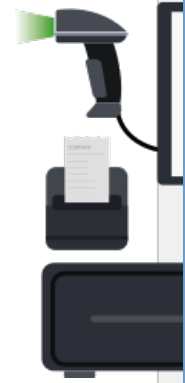
The interface between the payment application and the ECR provides a range of functionality including:

- ECR login
- Starting a
- Handling r
- Printing re
- Performin

The nexo retailer protocol is one method of controlling a payment terminal from an Electronic Cash Register (ECR). The messages sent between the ECR and the payment terminal is in XML-format over a TCP/IP socket.

In an EPAS integration all transactions is initiated by the operator of the ECR, performed by the payment terminal and completed by the Customer. Example:

1. The ECR
2. The ECR
3. The custo
4. The custo
5. The paym
6. The ECR



The interface between the payment application and the ECR provides a range of functionality including:

- ECR login
- Starting a
- Handling r
- Printing re
- Performin

Why should I use this?

- Proven pr
- Compatibi
- Predecess
- No chang

Getting started

In an  
nexo  
integra  
tion all  
transa  
ctions  
is  
initiate  
d by  
the  
operat  
or of  
the  
ECR,  
perfor  
med  
by the  
payme  
nt  
termin  
al and  
compl  
eted  
by the  
Custo  
mer.  
Examp  
le:

1. The ECR
2. The ECR
3. The custo
4. The custo
5. The paym
6. The ECR

To get started with an EPAS integration project you should have a Westp ay terminal and our EPAS ECR simulator software. You will also need three pieces of information for the simulator to work:

Why should I use this?

- Future pro
- ISO20022
- Includes a
- Used by o

Go to the

[next protocol](#)

- The **Terminal** . This is r

- The **PPL Serv** . This is t  
**185.27.17**

- The **SPDH Ser** . This is t  
**185.27.17**

Use these three pieces of information in the ECR simulator's login details and you should be able to run transactions easily and quickly

[Go to the EPAS protocol](#)

