

Conceptual Solution & Technical Specification

SCALES ADAPTER

The intelligence scales adapter has been designed as an integrated SAP NW XI/PI adapter and developed for direct integration in the SAP Adapter Framework. Its function is to connect a freely-defined number of weighing terminals to an ERP system using SAP NW XI/PI.

The wide range of monitoring and alerting functions of the SAP NW XI/PI platform can be used since they are integrated in a central SAP NetWeaver Process Integration (SAP NW PI) or a SAP NetWeaver Exchange Infrastructure (SAP NW XI).

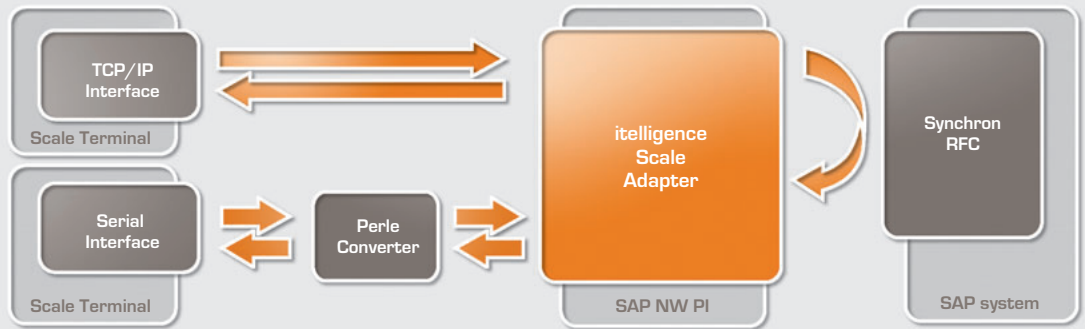
This means that the ERP can trigger a weighing procedure via RFC. The intelligence scales adapter receives information only about the scales number. It then activates the scales autonomously and reads out the next stable weight. The weight which is read out is then returned to the ERP

system synchronously. The scales adapter currently supports the scales manufactured by Mettler Toledo, Bizerba and Pfister. These weighing scales can either be activated directly via TCP/IP protocol or be connected using an Ethernet bridge.

If the weighing scales are connected by means of an Ethernet bridge, we work with equipment manufactured by Perle. This allows scales with only a serial outlet to be connected to the network so that even older scales installations can be used. In addition, the Perle equipment features password protection, which the intelligence weighing scales adapter can also use.

And finally, the data format which the adapter assumes or outputs is compatible with the packing table solution of itelligence.it.x-pack, so that these products complement each other perfectly.

Functional Overview



Technical Specification

Functions	Supports
Mettler-Toledo MT-SICS protocol	✓
Bizerba protocol	✓
Pfister protocol	✓
Constant checking of the availability of the weighing scales	✓
Response via synchronous RFC	✓
Inquiries regarding further weighing scales information (Mettler Toledo)	✓
Feedback regarding the stable weight	✓
Compatibility with Perle Ethernet bridge	✓
Password protection via Perle Ethernet bridge	✓

Potential Customers

- Customers who wish to integrate existing scales into SAP on a central basis.
- Customers who want to use the monitoring and alerting functions of SAP NW PI, also for their scales terminals.

Requirements

The scales adapter currently supports the following releases:

- SAP NW XI 3.0, SP 16 and higher
- SAP NW XI 7.0, SP 9 and higher
- SAP NW PI 7.1, SP 6 and higher
- SAP NW PI 7.11, SP 3 and higher

The itelligence it.x family

In addition to various technical adapters, we offer a range of solution modules comprising it.x-change, it.x-atlas and it.x-press, based on SAP NetWeaver Process Integration (SAP NW PI, formerly SAP NW XI).

it.x-change is a sophisticated EDI solution that enables your business contacts (clients, suppliers and so on) to link to your IT systems easily and securely.

As an exporter, the certified solution it.x-atlas allows you to implement the electronic connection to the ATLAS export procedure of the German customs authorities, legally required as of July 1, 2009. With it.x-idee, a similar solution is also available to you for Switzerland. Other countries will follow step by step.

With it.x-press, itelligence has developed an integration solution which enables a direct electronic connection with CEP service providers. By means of it.x-press, you can easily and effectively integrate your courier, express and parcel service providers in your SAP system and implement a fully automatic, electronic exchange of data.

Additional information can be found at: <http://it-x-change.itelligence.de/en> and <http://it-x-press.itelligence.de/en>