

SIEMENS

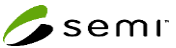
Ingenuity for life

M2M controller for SMT Line SEMI SMT-ELS interface

Siemens to release SEMI SMT-ELS interface for SMT line

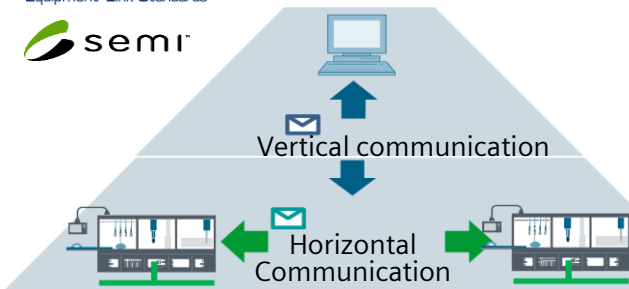


Equipment Link Standards



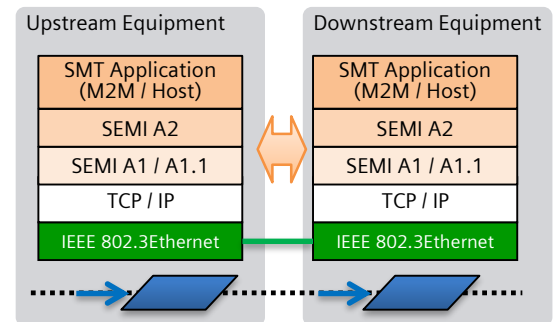
What is SEMI SMT-ELS?

- Simultaneously transfers a panel with its data
- Automatically changing production with multi-vendors



Data flow

Panel flow



“SEMI SMT-ELS (Surface Mount Technology - Equipment Link Standards)” is the Standards suite for SMT assembly line that replaces SMEMA interface and adds data communication capabilities to make assembly line smarter.
http://www1.semi.org/jp/SEMI_SMT-ELS

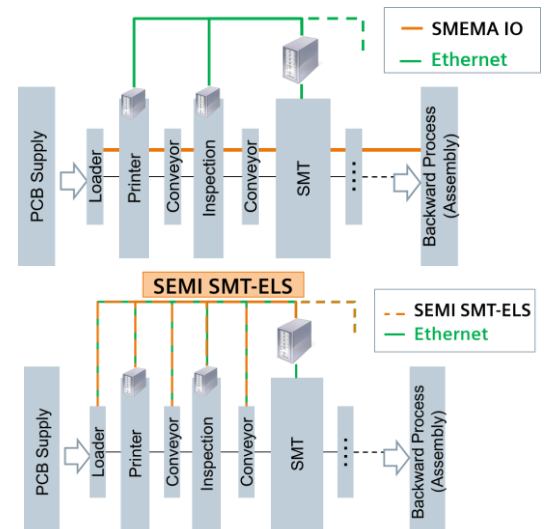
Why need new communication standards in SMT line?

Today

- Data and material separately ... IO signals(SMEMA)
- Many communication protocol ... Special protocols

Tomorrow

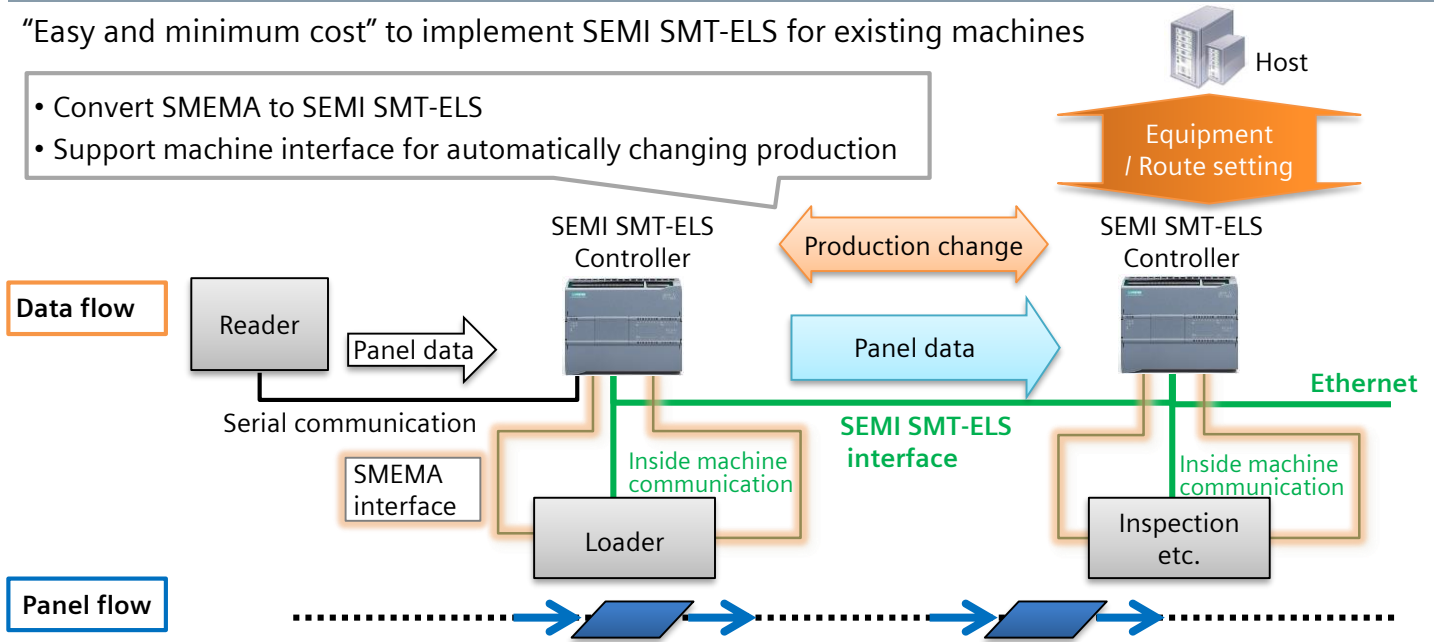
- Transfer a panel and data simultaneously
- Easily communicate with multi vendors



How to implement SEMI SMT-ELS interface?

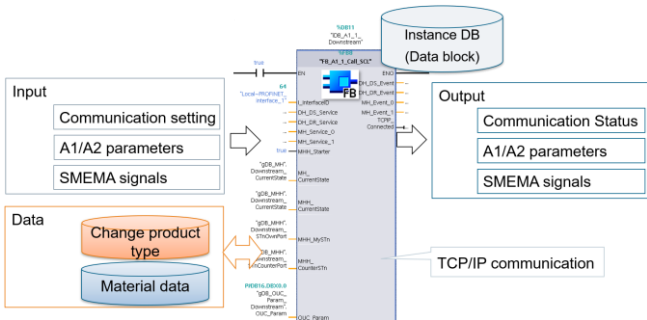
"Easy and minimum cost" to implement SEMI SMT-ELS for existing machines

- Convert SMEMA to SEMI SMT-ELS
- Support machine interface for automatically changing production

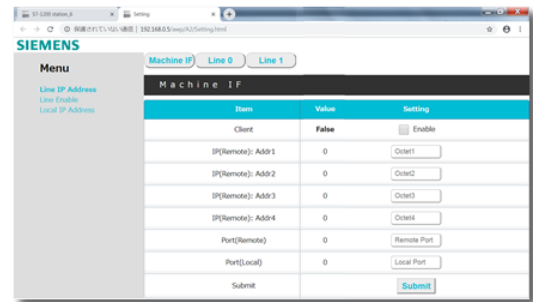


What advantage to use Siemens products ?

- SEMI SMT-ELS interface libraries free of charge
- Support a machine interface for automated production change with TCP/IP
- Easy parameter set and commissioning without engineering tool using web server
- No.1 PLC global market share and many users in the world, Global service over 200 countries





SEMI SMT-ELS interface free of charge



Parameters set from web browser

What products should be prepared?

Category	Product name	Order number	List price(without tax)
	SIMATIC S7-1200 CPU1215C AC/DC/RLY	6ES7215-1BG40-0XB0	¥80,700
	TIA Portal STEP 7 Basic V16 Floating license	6ES7822-0AA06-0YA5	¥47,800

Programming Editing project

➤ Download SEMI SMT-ELS interface and a manual www.siemens.com/en/s7-1200/semi-a1

Dec. 2019

Note: SEMI SMT-ELS application is only supported by Siemens Group in Japan.

Contact Siemens Group in Japan www.siemens.com/jp/ad

Siemens AG Industry Online Support <https://support.industry.siemens.com>

