QUENTIN

SMEMA Hermes Adaptor Mk3 - Single Lane SMT - RS232 - RTC (QUENTIN B5145A45)

A compact and low cost solution to extend the life of your SMEMA based SMT electronic assembly equipment.

Typical Applications

- SMEMA Hermes Adaptor
- SMEMA Hermes Gateway
- SMEMA Hermes Bridge
- SMT Equipment Integration
- SMT Scan Station*
- SMEMA Interlocking*
- SMEMA IPC-CFX Adaptor*
- Data Logging*
- Data Exchange*
- MES Interlocking*
- General I/O

* With additional MultiPlug Extensions (Software) and configuration.

High Level Specification

- Single Lane SMT Assembly Production
  [AUSTIN - Dual Lane available (BSI4SH55)]
- Length 109 x Width 62 x Height 55 - Weight 227 grams
- 1GB RAM, 32GB Storage, Linux Single-Board Computer
- 5 Volt Supply via USB-C
  [Optional industrial 24v step down PSU available]
- RJ12 Plug to SMEMA Plug or Socket Dongles
  [Optional accessory]
- RS232 Serial Port for Conveyor Integration
- SMEMA and Hermes status indicators
- Real Time Clock for accurate data logging
- WiFi Access Point for remote setup and monitoring
- Audible indicator and Active Cooling
- Din Rail, Magnetic or Wall Mount

Not to be used on safety critical situations

IPC-HERMES-9852 Standard Supported Features

Version 1.3

- 2.3 Machine-to-Machine communication (horizontal channel)

IPC-HERMES-9852 Standard Unsupported Features

- 2.4 Remote configuration
- 2.5 Communication with supervisory system (vertical channel)

Remote configuration can currently be achieved via a Web Browser based User Interface. This functionality is likely to be included in Multiplug.Ext.Hermes.Config

Hardware Specification

Size	Length 109 x Width 62 x Height 55 - Weight 227 grams
Single Board Computer	1GB RAM, 32GB Storage. Linux
Network	Ethernet or WiFi. WiFi Access Point for remote setup and monitoring
Input voltage	5 Volt Supply via USB-C
Connectors	2 x RJ12 SMEMA Sockets. 2 x USB 3.0 (1 used) 2 x USB 2.0
Indicators	SMEMA and Hermes status and audible alarm indicator
Buttons	Shutdown / Restart
Data	9 Pin Male RS232 Serial Port
SMEMA Switching Max	30V DC
Mount	Din Rail, Magnetic or Wall
Real Time Clock	Yes
Cooling	Active

Alternative Versions - Hermes, CFX, SMEMA

SL - Single Lane | DL - Dual Lane | RTC - Real Time Clock | RS232 - Male 9 Serial Port

SKU	Product Group	Interface	Description / Features	Available
B5145A42	QUENTIN	IPC-HERMES-9852	SL	Custom Build
B5145A43	QUENTIN	IPC-HERMES-9852	SL RTC	Custom Build
B5145A44	QUENTIN	IPC-HERMES-9852	SL RS232	Custom Build
B5145A45	QUENTIN	IPC-HERMES-9852	SL RTC RS232	Yes
B5145A52	AUSTIN	IPC-HERMES-9852	DL	Custom Build
B5145A53	AUSTIN	IPC-HERMES-9852	DL RTC	Custom Build
B5145A54	AUSTIN	IPC-HERMES-9852	DL RS232	Custom Build
B5145A55	AUSTIN	IPC-HERMES-9852	DL RTC RS232	Low Volume
B5145B65	OSCAR	IPC-CFX-2591	SL RTC RS232	Enquire
B5145B75	JASPER	IPC-CFX-2591	DL RTC RS232	Enquire
B5145E85	CLIVE	IPC-SMEMA-1951	SL RTC RS232	Low Volume

Software Included

Name	License	Description
MultiPlug	Proprietary - 1 Included	.Net Edge Computing Platform
Multiplug.Ext.Hermes	Proprietary - 1 Included	Manage 1+ Hermes Lanes
Multiplug.Ext.Network.Sockets	Open Source	Connect to or serve Network Sockets
Multiplug.Ext.Ports	Open Source	Read or Write to RS232 Serial Ports
Multiplug.Ext.Raspi.Gpio	Open Source	Read or Write to a Raspberry Pi GPIO
Multiplug.Ext.Raspi.Config	Open Source	Configure a Raspberry Pi
Multiplug.Ext.Hostapd.Config	Open Source	Configure a Wifi Access Point

Accessories

- RJ12 to SMEMA Male (Pair) dongles for Direct Machine connections
- RJ12 to SMEMA Female (Pair) dongles for SMEMA Extension cables
- USB-C 5v Power Supply
- Din Rail Mount
- 24v to 5v Step Down PSU
- USB-C Male to 5 Pin Female Bolt Screw Shield Terminals Pluggable Adapter
- Power over Ethernet (PoE) USB-C Splitter

Use Cases

- RS232 Serial Port to be used for SMT Conveyor integration
- USB Ports for Barcode Scanner integration

MultiPlug

This product is based on the MultiPlug Edge Computing Platform making it highly configurable.

https://www.multiplug.app

Also see FAQs:

https://www.4ir.uk/products/smema-hermes-adaptor/
https://www.the-hermes-standard-smema-adaptor.info/
https://github.com/Industry4/SMEMA-Hermes-Adaptor/wiki

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