

# Controller



Your distributor

Premium Power Tools 

  
MADE IN GERMANY



**HS-Technik GmbH**  
High - System - Technik

# BTC-Tool Controller

Wi-Fi controller for battery tightening and riveting tools

- **Up to 20 HST Wi-Fi tools**  
(TorqBee / RivBee / NutBee)
- **Electronic Torque Wrench**  
(SCS Freedom 4)
- **With 2.4 / 5 GHz Wi-Fi Access Point**  
(811.2 a / b / g / n / ac)
- **Quick system exchange**  
(SD card for system configuration)
- **4 × 20 character OLED-Display for status information**
- **Web interface for programming and visualization via web browser with tablet or panel PC possible**
- **Interfaces**
  - 2 × 10 / 100Mbit Ethernet
  - 2 × USB
  - 1 × audio
- **Connection to the following systems:**
  - OpenProtocol
  - PFCS (FCA)
  - ProfiBus
  - ProfiNet
  - 24 Volt Digital I/O's
- **Accessories**
  - Socket Trays
  - Display Panel
  - Printer



BTC-Tool Controller



BTC-Profibus



BTC-Profinet

Order no.	Input	Temperature range	Weight	Dimensions L × W × H
BTC-O-*	85 - 264 V AC, 47 - 63 Hz	0 - 40 °Celsius	approx. 1.60 kg	180 × 150 × 90 mm

Order no.	Description
BTC-PB-*	ProfiBus interface for BTC-Tool Controller
BTC-PN-*	ProfiNet interface for BTC-Tool Controller
BTC-24-*	24 Volt digital OK interface for BTC-O Tool Controller



BTC-24

\*  
EU = Schuko plug  
US = USA plug  
UK = UK plug  
AU = Australia plug

# Socket trays for BTC-Tool Controller

SNS-HM4-ETH & SNS-HM8-ETH



- 4-bay socket tray with status LED for BTC-Series
- Incl. intelligent socket/bit recognition, checking if correct socket is plugged
- Max. 35 mm Ø socket
- Indication and operator guidance by colored LED
- Inductive sensors that react to all common metals
- Incl. Controller connection cable SNS-ETH-M12 and power supply
- Extension module available, order no. SNS-EXM4-M12

- 8-bay socket tray with status LED for BTC-Series
- Incl. intelligent socket/bit recognition, checking if correct socket is plugged
- Max. 35 mm Ø socket
- Indication and operator guidance by colored LED
- Inductive sensors that react to all common metals
- Incl. Controller connection cable SNS-ETH-M12 and power supply
- Extension module available, order no. SNS-EXM8-M12

Order no.	Description
SNS-HM4-ETH*	4-bay socket tray

Order no.	Description
SNS-HM8-ETH*	8-bay socket tray

Technical data	SNS-HM4-ETH*
Dimensions L x W x H	255 x 110 x 60 mm
Weight	approx. 1.2 kg
Operating temperature	-20 ... +50°C
Protection category	IP54
Voltage supply	24V DC, < 200mA
Connections	2x M12 A - coded (5 pin, 1xF + 1xM), 1x M12 D - coded (4 pin, F)
EMV	EN 61000-6-2 and EN 61000-6-4

Technical data	SNS-HM8-ETH*
Dimensions L x W x H	255 x 170 x 60 mm
Weight	approx. 2.1 kg
Operating temperature	-20 ... +50°C
Protection category	IP54
Voltage supply	24V DC, < 200mA
Connections	2x M12 A - coded (5 pin, 1xF + 1xM), 1x M12 D - coded (4 pin, F)
EMV	EN 61000-6-2 and EN 61000-6-4

\* Other designs are also available.

# Socket trays

## SNS-B8-ETH & SNS-EXM8-M12 & Accessories



SNS-ES-POM

- 8-bay bit selector for use with the controllers of the BTC-Series
- Incl. intelligent bit recognition, checking if correct bit is plugged
- Exchangeable inserts for max. flexibility
- Inductive sensors that react to all common metals
- Incl. Controller connection cable SNS-ETH-M12 and power supply
- Extension module available

- Plastic insert unmachined incl. titel block
- Screw and copper foil, material: POM
- Cylinder Ø 40 mm, h=29.8 mm
- Upper edge 56.5 × 47 × 4 mm

Accessories suitable for	Order no. (Description)
SNS-HM8-ETH* SNS-HM4-ETH*	<b>SNS-ES-POM</b> (Plastic insert blank)
SNS-EXM8-M12 SNS-B8-ETH	<b>SNS-ETH-M12</b> (Ethernet connection cable M12 – RJ45)
SNS-HM8-ETH* SNS-HM4-ETH* SNS-B8-ETH	<b>TCB-NETZ-Scalance</b> (Power adapter 24V DC with M12 plug A-coded)
SNS-HM8-ETH* SNS-HM4-ETH*	<b>SNS-EXM-M12</b> (Extension module connection cable)
SNS-HM8-ETH*	<b>SNS-EXM8-M12</b> (8-bay extension module)
SNS-HM4-ETH*	<b>SNS-EXM4-M12</b> (4-bay extension module)

Order no.	Description
SNS-B8-ETH	8-bay bit selector

Technical data	SNS-HM4-ETH*
Dimensions L × W × H	255 × 85 × 50 mm
Weight	approx. 0.75 kg
Operating temperature	-20 ... +50°C
Protection category	IP54
Voltage supply	24V DC, < 250mA
Connections	2× M12 A - coded (5 pin, 1×F + 1×M), 1× M12 D - coded (4 pin, F)
EMV	EN 61000-6-2 and EN 61000-6-4

## Operating modes

### Tool guide

The controller specifies the program, the tool attachment to be used is displayed on the socket/bit selector via LED. Approval is only given to the tool when the correct tool attachment is removed.

### Bitmode

When a tool attachment is removed, the associated program is started by the controller. The worker can therefore decide for himself which process step to process.

## More functions

The individual socket/bit slots can be parameterized via software, which prevents the tool attachments from being mixed up.

# NetBee-Series

Controller for battery tightening and riveting tools

- **Up to 12 HST Tools**  
(TorqBee / RivBee / NutBee)
- **Electronic Torque Wrench**  
(SCS Freedom 4)
- **Max. two work stations**
- **7" Color-Touch-Display**
- **Webinterface for programming and visualization**
- **Interfaces**
  - 2 × Ethernet
  - 1 × USB-C
  - 4 × USB
  - 16 inputs / 16 outputs (NetBee-16IO-\*)
- **Can be connected to:**
  - OpenProtocol
  - PFCS
  - ToolsNet
  - IPM
  - VW XML (not approved yet)
  - Fieldbus
- **Accessories**
  - Barcode reader
  - Printer
  - Label printer
  - Socket tray
- **Memory**
  - 100.000 results
  - 100.000 curves
- **Upgrade to max. 6 stations and Multibrand function possible**



No Wi-Fi Access Point incl.

Order no.	Description
NetBee-40-*	NetBee Controller
NetBee-16IO-*	NetBee Controller with 16 in-/outputs

Technical data	NetBee-xxxO-*
Dimensions L × W × H	208 × 319 × 199 mm
Weight	5.30 kg
Operating temperature	5 - 40 °Celsius
Humidity	95 %, not condensing
Protection category	IP40
Voltage supply	100 - 240 VAC, 50/60 Hz

Order no.	Description
NetBee-UH	Upgrade to max. 6 stations and Multibrand function

\*  
EU = Schuko plug  
US = USA plug  
UK = UK plug  
AU = Australia plug

# NetBee-Series

## Socket tray



Order-no.	Description	
NetBee-ST6-39	6-bay socket tray for NetBee, max. socket diameter 39 mm	Supplied without CAN and power cable
NetBee-ST6-50	6-bay socket tray for NetBee, max. socket diameter 50 mm	Supplied without CAN and power cable
NetBee-ST8-39	8-bay socket tray for NetBee, max. socket diameter 39 mm	Supplied without CAN and power cable
NetBee-ST6-39-W	6-bay Wi-Fi socket tray for NetBee, max. socket diameter 39 mm	Supplied without battery
NetBee-ST6-50-W	6-bay Wi-Fi socket tray for NetBee, max. socket diameter 50 mm	Supplied without battery
NetBee-ST8-39-W	8-bay Wi-Fi socket tray for NetBee, max. socket diameter 39 mm	Supplied without battery

Technical data	NetBee-ST6-39(-W)	NetBee-ST6-50(-W)	NetBee-ST8-39(-W)
Dimensions L × W × H	302 × 149 × 160 mm	302 × 149 × 160 mm	402 × 149 × 160 mm
Weight	4.00 kg	4.00 kg	5.20 kg
Operating temperature	5 - 40 °Celsius	5 - 40 °Celsius	5 - 40 °Celsius
Humidity	95 %, not condensing	95 %, not condensing	95 %, not condensing
Protection category	IP40	IP40	IP40
Voltage supply	+24 VDC, maximum 800 mA	+24 VDC, maximum 800 mA	+24 VDC, maximum 800 mA





# **HS-Technik GmbH**

**High - System - Technik**

Im Martelacker 12  
D-79588 Efringen-Kirchen  
Telephone: +49 (0) 76 28 - 91 11-0  
Fax: +49 (0) 76 28 - 91 11-90  
E-mail: [info@hs-technik.com](mailto:info@hs-technik.com)  
Internet: [www.hs-technik.com](http://www.hs-technik.com)

© Copyright January 2022  
Subject to modifications and errors. All figures are non-binding.  
We reserve the right to make technical changes to our products and the range of products as a result of further development.  
Reproduction and the use of texts, even excerpts of our brochures is prohibited and will be prosecuted.