BPCPRO-X51 simplifies modern industrial Edge Computing. Installation efforts are reduced to a minimum, the Box-PC connects to a display with a single USB-C cable providing power, display and touch signal at the same time. BPCPRO-X51 is powered by an Intel® Amston Lake Atom® x7211RE CPU and can be operated with Windows 11 IoT LTSC. BPCPRO-X51 has been designed to meet industrial conditions, running 24/7 at an operating temperature from -20 to +70°C. BPCPRO-X51 X51 perfectly integrates into any IoT network through 2x 2.5Gbit Ethernet ports or Wi-Fi.

Specification

Processor	CPU	Intel® Amston Lake-N Atom® x7211RE, 2C
	Frequency	up to 3.20GHz
Memory	RAM	8 GB DDR5 4800 MT/s
Graphics	Processor Graphics	Intel® UHD Graphics
	DisplayPort	DP 1.2 with max. 3840 x 2160@60Hz
	USB-C	Alternate mode 1.2 with max. 3840 x 2160@60Hz
Storage/ Expansion	M.2	1 x M.2 M key 2242 with 128GB NVMe PCIe Gen3 x2 1 x M.2 2230 for Wi-Fi
Rear I/O	USB	1x Type-C USB 3.2 Gen 1x1 2 x USB 3.2 Gen1x1
	Ethernet	2 x 10/100/1000/2500 Mbit/s
	DisplayPort	1x DP++
	Audio	1x Line-Out, 1x Mic-in
	Power	24V DC-IN
Front I/O	USB	1 x Type-C DP via Alternate mode, 60W/20V power delivery & USB2.0
	Serial Port	2 x RS-232/422/485 switchable in BIOS
	GPIO	4x IN& 4x OUT w.5V/1A
Other	TPM	2.0
	Watchdog Timer	Yes
General	Operating Temperature	-20...+70°C
	Storage Temperature	-20...+70°C
	Operating humidity	0%...90% Relative Humidity, non-condensing
	Storage humidity	5%...95% Relative Humidity, non-condensing
	Dimensions	203.5(W)x118(D)x39.9(H) mm
	Power consumption	49,2W
	Weight	1,1 kg
Certifications		CE, FCC, UKCA
Operating System		Windows 11 IoT LTSC (optional), Linux (on request)

Ordering Information

Order Nr.	Article	Description
PC-61-738	BPCPRO-X51-01	Intel x7211RE, 8GB RAM, 128GB SSD
KI-60-287	BPCPRO-X51-02	Intel x7211RE, 8GB RAM, 128GB SSD, WIN 11 IoT
KI-60-289		SET BPCPRO-X51|IPPL-W215-2 500nit|w.Acc

Accessories

Order Nr.	Article	Description
NT-62-213		TRH100A240-11E13-L6, PSU 100W 24V
KA-31-283		Adapter Cable DC Jack to Box PC - **Mandatory w. NT-62-213**
DB-07-225		-> PowerCord (EU-C13) IEC 3x0,75 black 1,8m
DB-07-226		-> Power Cord (UK-C13) 5A CPC PL13305 IEC
DB-07-238		-> Power Cord (US-C13) IEC black 1,8m/6 feet

Dimensions

USB-C
GPIO COM1 COM2
PWR Switch

2x USB 3.2   SMA
SMA   2x LAN   DP USB-C   DC-In

FORTEC Integrated | info@fortec-integrated.de | www.fortec-integrated.de   DISPLAYS | MONITORS | EMBEDDED | POWER SUPPLIES

Version 1.0 – 10.12.2025 | Specification are subject to change without prior notice. | ODM/OEM is available
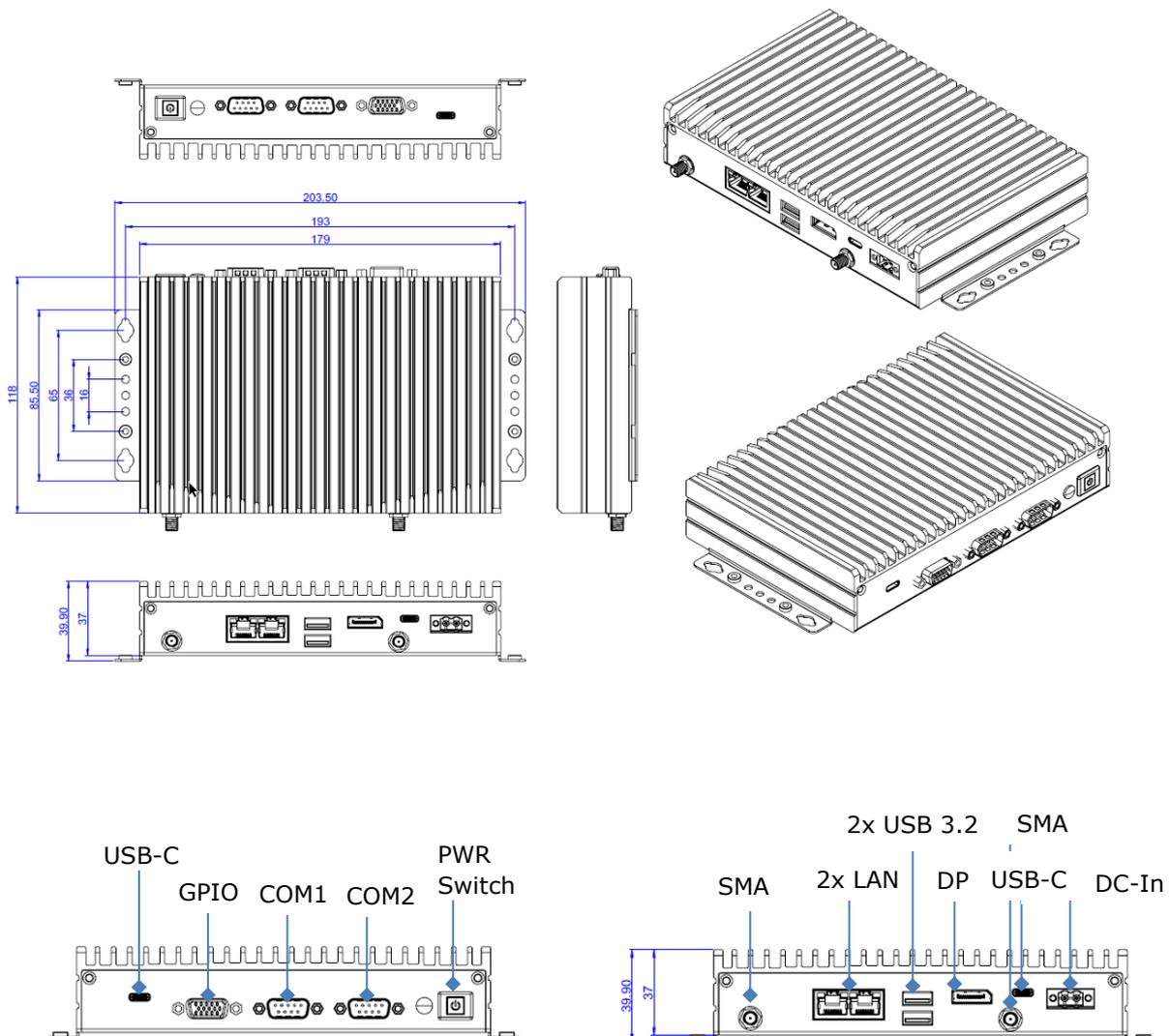
FORTEC GROUP

Our company network supports you worldwide with offices in Germany, Austria, Switzerland, Benelux, Egypt, the UK and the USA. For more information please contact:

FORTEC GROUP

FORTEC Elektronik AG | Augsburger Straße 2b | 82110 Germering
+49 89 894450-0
info@fortecag.de | www.fortecag.de

FORTEC INTEGRATED

FORTEC Integrated GmbH | Augsburger Straße 2b | 82110 Germering
+49 89 894363-0
info@fortec-integrated.de | www.fortec-integrated.de

FORTEC POWER

FORTEC Power GmbH | Lise-Meitner-Straße 3 | 64560 Riedstadt
+49 6158 8285-0
weborder@fortec-power.de | www.fortec-power.de

FORTEC UNITED KINGDOM

FORTEC Technology UK Ltd. | Osprey House | 1 Osprey Court
Hinchingbrooke Business Park | Huntingdon | Cambridgeshire | PE29 6FN
+44 1480 411600 | info@fortec.uk | www.fortec.uk

FORTEC UNITED STATES

FORTEC United States, Corp. | 87 Raynor Avenue Unit 1 | Ronkonkoma
NY | 11779 | +1 631 5804360
info@fortec.us | www.fortec.us

FORTEC CZECH REPUBLIC

FORTEC Czech Republic s.r.o. | Přátelství 275 | 330 02 Dýšina
+49 89 894363-0
info@fortec.cz | www.fortec.cz

FORTEC SWITZERLAND

FORTEC Switzerland AG | Bahnhofstraße 3 | 5436 Würenlos
+41 44 7446111
info@fortec.ch | www.fortec.ch

FORTEC EGYPT

FORTEC Electronic Design and Solution Egypt SMLC | Linx Business Park
Unit B318 | Smart Village | Giza Governorate
+20 120 1146222 | info@fortec.eg | www.fortec.eg

FORTEC BENELUX

FORTEC Benelux B.V. | Everdenberg 79 | 4902 TT Oosterhout
+31 162 515458
info@fortec-benelux.com | www.fortec-benelux.com