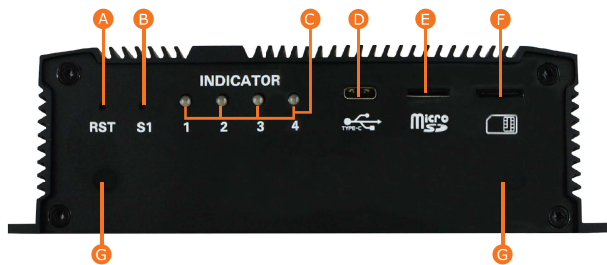
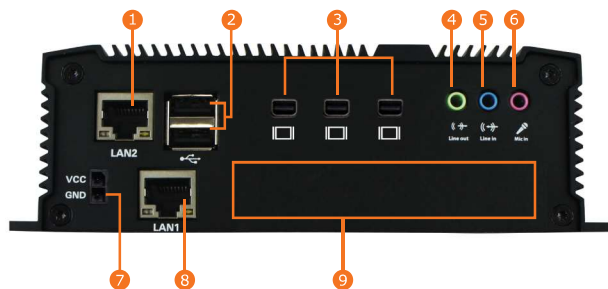


TEK3-BSW



A: Reset Button
B: S1 Button
C: LED x4

D: USB 2.0 OTG TYPE-C
E: microSD
F: Micro-SIM cardslot
G: Antenna Hole



1: LAN2
2: USB3.0
3: mini DP x3
4: Line out
5: Line in
6: Mic in
7: Power
8: LAN1
9: Expansion I/O

Main Features

- Based around Intel:
 - Pentium® N3710 (4x 1.60GHz)
 - Celeron® N3160 (4x 1.60GHz)
 - Celeron® N3060 (2x 1.60GHz)
 - Celeron® N3010 (2x 1.04GHz)
 - Atom™ x5-E8000 (4x 1.04GHz)
- USB host, USB OTG, 3x Mini DisplayPort and microSD.
- Compatible with TechNexion expansion boards series for additional input and output's.



Specifications

Core System

Processor	Pentium® N3710 (4x 1.60GHz) Celeron® N3160 (4x 1.60GHz) Celeron® N3060 (2x 1.60GHz) Celeron® N3010 (2x 1.04GHz) Atom™ x5-E8000 (4x 1.04GHz)
Architecture	Intel x86 Braswell
Memory	up to 8GB So-Dimm DDR3
Storage	eMMC (4GB) M.2 SSD (optional)

Connectors

Network LAN	1x Intel i211 Gigabit LAN PoE function 802.3at (optional)
Display	3x Mini DisplayPort
Audio	1x 3.5mm jack Stereo Audio in 1x 3.5mm jack Stereo Audio out 1x 3.5mm jack Microphone
USB	2x USB 3.0 Host connector 1x USB 2.0 OTG Type-C connector
SD Cardslot	1x microSD cardslot
SIM Cardslot	1x Micro-SIM cardslot connected to internal mini-PCIe slot
Buttons	1x Reset 1x Boot select (force SD card slot)
Indicators	4x Programmable LEDs

Expansion I/O

I/O Connectors	GPIO USB
Expansion Slots	1x mini-PCIe with Micro-SIM cardslot (USB signals only) 1x M.2 slot
Expansion I/O Card	Depending on selected Expansion I/O Module available with: 2x Serial ports RS232 2x CAN bus controller 8x GPIO
Pin Header	2x USB 3.0

Power Specifications

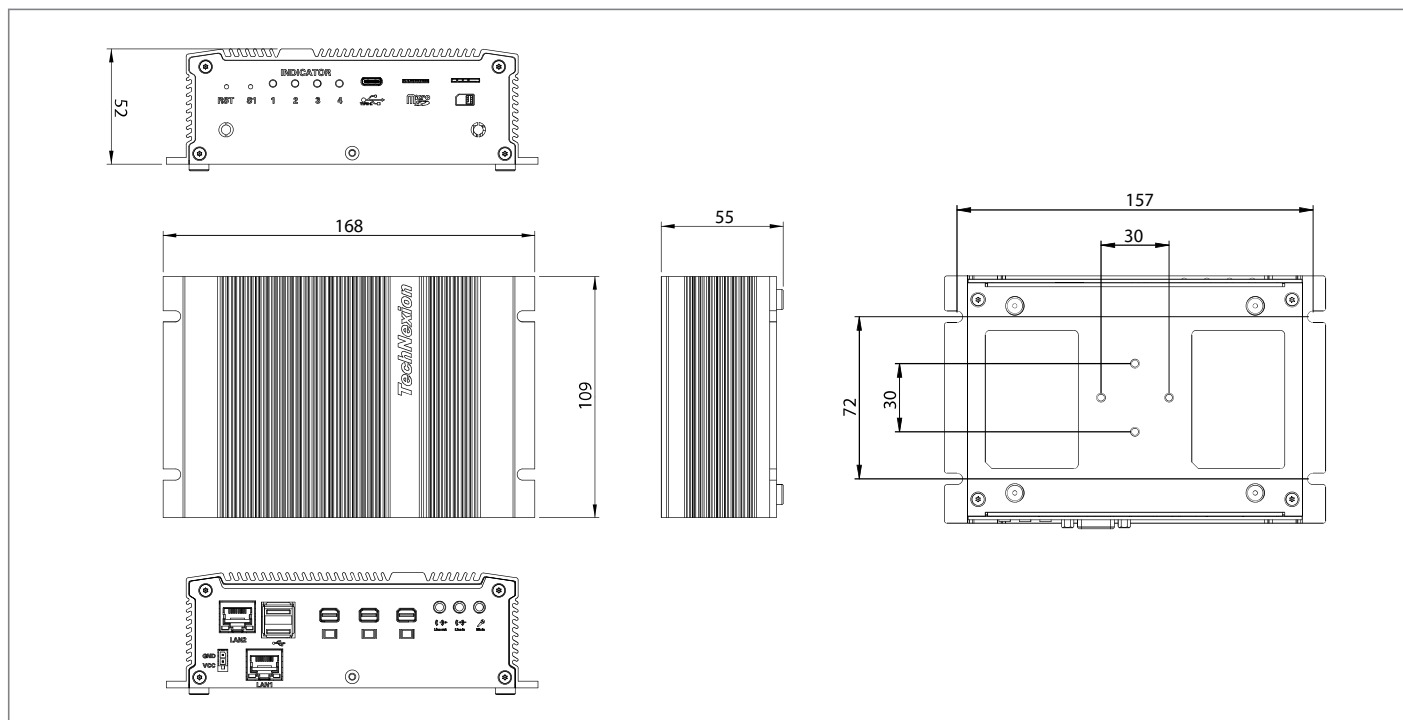
Input Power	Available with 12V, 24V, 8-36V (wide power input) PoE function 802.3at (optional)
Power Connector	2-pin Micro-Fit 3.0
Power Consumption	Depending on configuration

Operating Systems

Standard Support	Linux, Ubuntu, Windows
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Dimensions

(units in mm)



Environmental and Mechanical

Temperature	Commercial : 0° to +50° C Extended : -20° to +70° C
Humidity	10 to 90%
Dimensions	168 (W) x 109 (H) x 55 (D) mm
MTBF	50,000 hours
Weight	705 grams
Shock	30 G, half-sine, 11 ms duration
Vibration	3 Grms, random 5-500 Hz, 1 ^{hr} /axis
Certification	Compliant with CE, FCC

Mounting Options

Surface Mounting	4 mounting holes
DIN Mounting	30mm DIN rail standard (DIN bracket separate purchase)

Ordering Information

TEK3-XXXX-Rxx-Lxxx-Xxxx-xxxx

Interface	Code	Description
Processor	N3710	Pentium® N3710 (4x 1.60GHz)
	N3160	Celeron® N3160 (4x 1.60GHz)
	N3060	Celeron® N3060 (2x 1.60GHz)
	N3010	Celeron® N3010 (2x 1.04GHz)
	E8000	Atom™ x5-E8000 (4x 1.04GHz)
Memory	R05	512 MB DDR3
	R10	1GB DDR3
	R20	2GB DDR3
Power Expansion	L112	TXB-P1-12V-LAN1 (12V==3A)
	L124	TXB-P1-24V-LAN1 (24V==3A)
	L130	TXB-P1-1030V-LAN1 (10-30V==5A)
	LPOE	TXB-P1-12V-PoE1 (12V==3A) or (PoE 802.3at)
I/O Expansion	-	Not Installed
	XS20	2x RS-232 + 2x CAN + 8x GPIO
	XG20	Galvanic Isolated 2x RS-232 + 2x CAN + 8x GPIO
Custom ID	XXXX	Custom Part number ID for customized software loader and special component (BOM)

* Feel free to contact us for custom tailored Carrier Board request for your projects.