PUMA-V6000 Serie

Machine Vision Systeme mit vielfältigen PCIe/PCI-Erweiterungen für grafik-intensive Anwendungen

Features

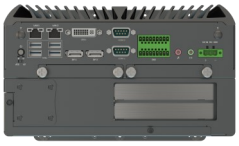
- 6th/7th Gen Intel® Core™ i7/i5/i3 oder Pentium®/Celeron® CPUs
- Drei voneinander unabhängige Displays anschließbar
- Diverse Erweiterungen über PCI / PCIe / Mini-PCIe
- RAID– und DIO-Funktionen verfügbar
- Wall- / Book- / DIN-Rail Mounting (optional)
- Hoher Betriebstemperaturbereich: -25° bis 70°C

Modellübersicht

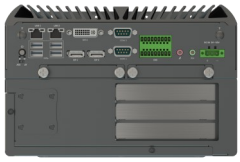
PUMA-V6000

PUMA-V6011

PUMA-V6022



PUMA-V6033



PUMA-V6044

PUMA-V6055

PUMA-V6000 Serie

Spezifikationen

System

CPU	Unterstützt 6th / 7th Gen Intel® Core™ i7/i5/i3 / Pentium®/Celeron® Desktop Prozessor (LGA 1151) 7th Gen Intel® Core™ i7-7700T Prozessor, Quad-Core, 8MB Cache, bis zu 3.8 GHz 7th Gen Intel® Core™ i5-7500T Prozessor, Quad-Core, 6MB Cache, bis zu 3.3 GHz 7th Gen Intel® Core™ i3-7101TE Prozessor, Dual-Core, 3MB Cache, bis zu 3.4 GHz 6th Gen Intel® Core™ i7-6700TE Prozessor, Quad-Core, 8MB Cache, bis zu 3.4 GHz 6th Gen Intel® Core™ i5-6500TE Prozessor, Quad-Core, 6MB Cache, bis zu 3.3 GHz 6th Gen Intel® Core™ i3-6100TE Prozessor, Dual-Core, 4MB Cache, bis zu 2.7 GHz Intel® Pentium® G4400TE Prozessor, Dual-Core, 3MB Cache, bis zu 2.4 GHz Intel® Celeron® G3900TE Prozessor, Dual-Core, 2MB Cache, bis zu 2.3 GHz
System Chipsatz	Intel® Q170 Express Chipsatz
LAN Chipsatz	GbE 1: Intel® i210-AT (unterstützt Wake-on-LAN und PXE) GbE 2: Intel® i219-LM (unterstützt Wake-on-LAN und PXE)
Audio Codec	Realtek ALC888S
Arbeitsspeicher	2x DDR4 1866/2133MHz SODIMM max. bis zu 32GB
Mini PCI Express	3x Full-Size Mini PCIe
PCI / PCI Express	PUMA-V6000: ohne Erweiterungen PUMA-V6011: 1x PCIe x16 oder 1x PCI PUMA-V6022: 2x PCIe x8 oder 2x PCI oder 1x PCIe x16 + 1x PCI PUMA-V6033: 2x PCIe x4 + 1x PCIe x16 + 2x PCIe x1 oder 3x PCI oder 1x PCIe x16 + 2x PCI PUMA-V6044: 4x PCI oder 2x PCIe x4 + 1x PCIe x8 + 1x PCI PUMA-V6055: 2x PCIe x4 + 1x PCIe x8 + 2x PCI
Betriebssystem	6th Gen CPU: Windows 10, Windows 7, WES7, Linux Kernel 4.X / 7th Gen CPU: Windows 10, Linux Kernel 4.X
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software programmierbar, unterstützt 1 ~ 255 Sek. System Reset

Display

VGA	Ja (mittels optionalem Split-Kabel)
DVI	1x DVI-I
DisplayPort	2x DisplayPort
Multiple Displays	Triple Display

Speicher

SSD / HDD	2x Austauschbare 2.5“ SATA HDD Bay, Unterstützt RAID 0,1,5,10
mSATA	2x mSATA (aufgeteilt auf 2x Mini PCI Express)
CFast	1x CFast

Schnittstellen

COM	2x RS-232/422/485, 2x RS-232/422/485 (intern)
USB	4x USB 3.0
LAN	2x RJ-45
Audio	1x Mic-in, 1x Speaker-out
DIO	8-In/8-Out isoliert
Sonstiges	2x WiFi Antennenanschlüsse, 1x PowerSwitch, 1x AT/ATX Switch

Strom

Power Mode	AT, ATX
Spannungseingang	9 ~ 50VDC
Stromanschluss	3-Pin Terminal Block
Netzteil	Optionaler AC/DC 24V/5A, 120W
Überspannungsschutz	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

Umgebung

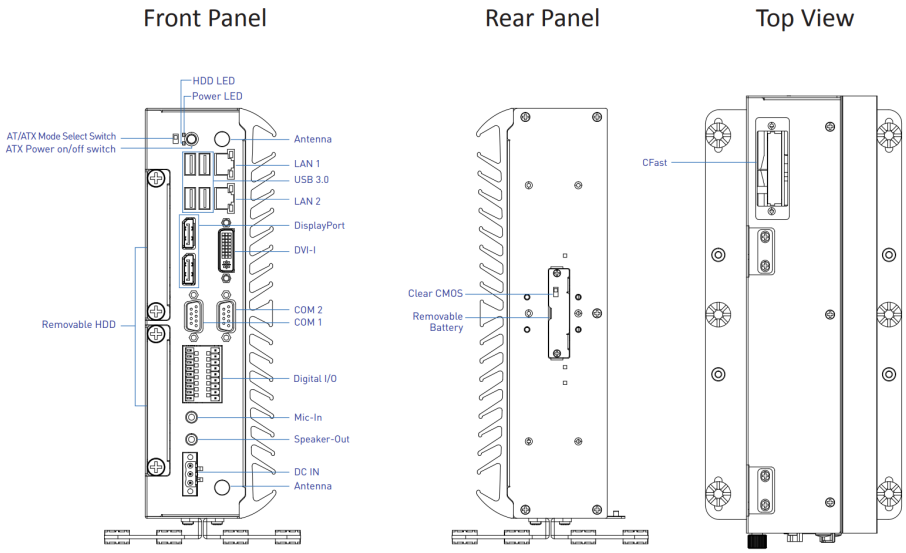
Betriebstemperatur	-25°C bis 70°C
Lagertemperatur	-40°C bis 85°C
Luftfeuchtigkeit	10% bis 95% (nicht-kondensierend)
Vibration	Mit SSD: 3 Grms, 5—500 Hz, 0.5 hr/Axis Mit HDD: 1 Grms, 5—500 Hz, 0.5 hr/Axis
Stoß	Mit SSD: 50G, Halbsinus, 11ms
Zertifikate/Standards	CE, FCC Class A

Mechanik

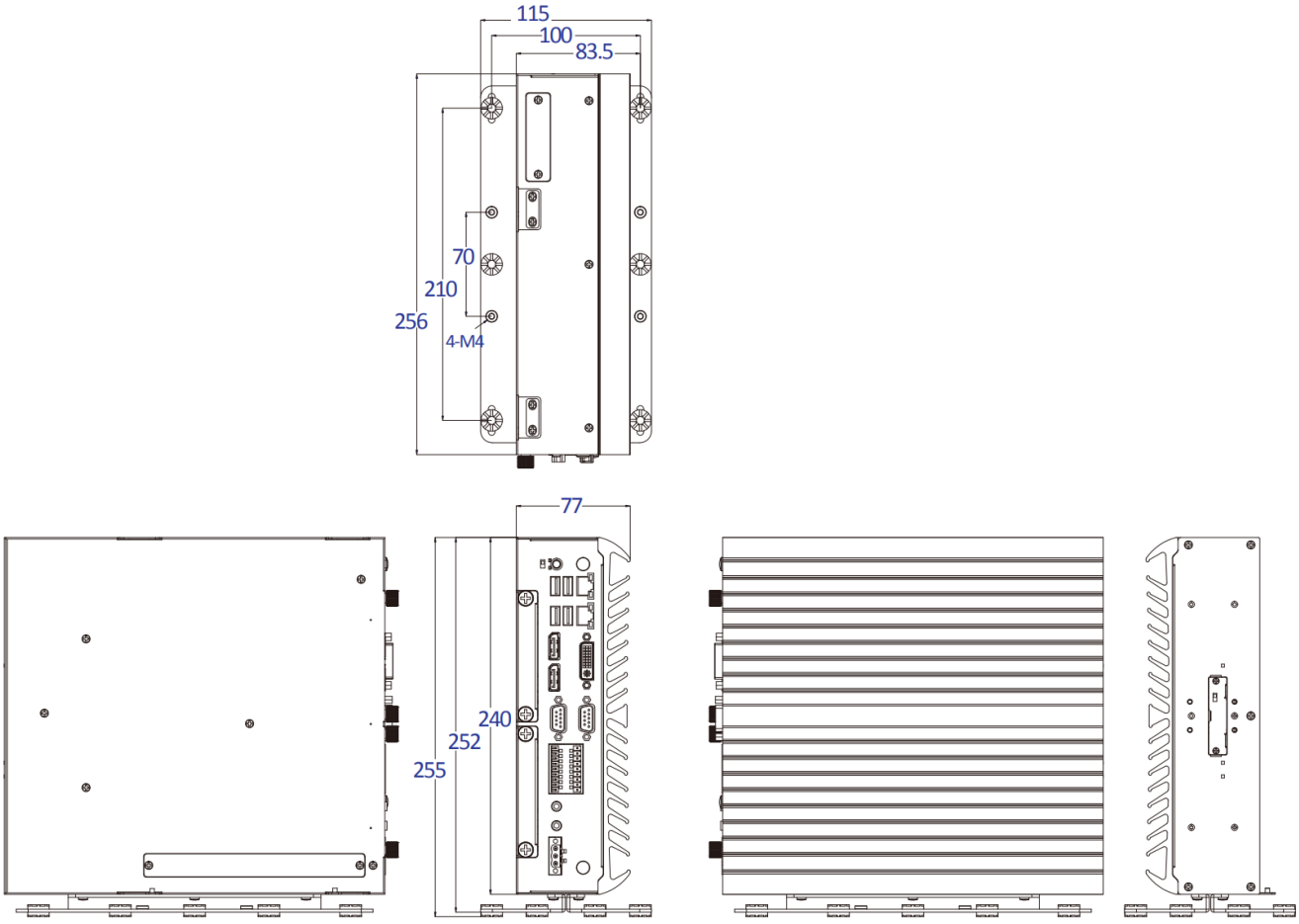
Gehäuse	Stranggepresstes Aluminium mit strapazierfähigem Metall
Abmessungen	Breite: 77mm / 117mm / 137mm / 157mm / 177mm / 197mm x Tiefe: 256mm x Höhe: 240mm
Gewicht	PUMA-V6000: 3,83kg / PUMA-V6011: 5,29kg / PUMA-V6022: 5,34 bis 5,39kg / PUMA-V6033: 5,42 bis 5,86kg / PUMA-V6044: 5,92 bis 6,02kg / PUMA-V6055: 6,21kg
Mounting	Wall- / Book-Mounting / DIN-Rail Mounting (optional)

PUMA-V6000 Serie

PUMA-V6000: Anschlüsse (Layout)

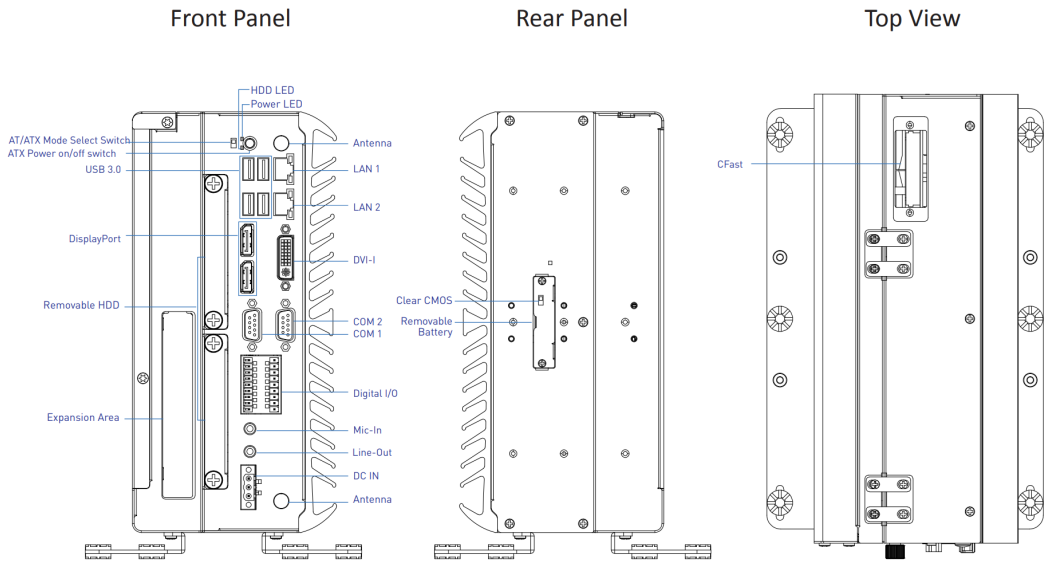


PUMA-V6000: Abmessungen (mm)

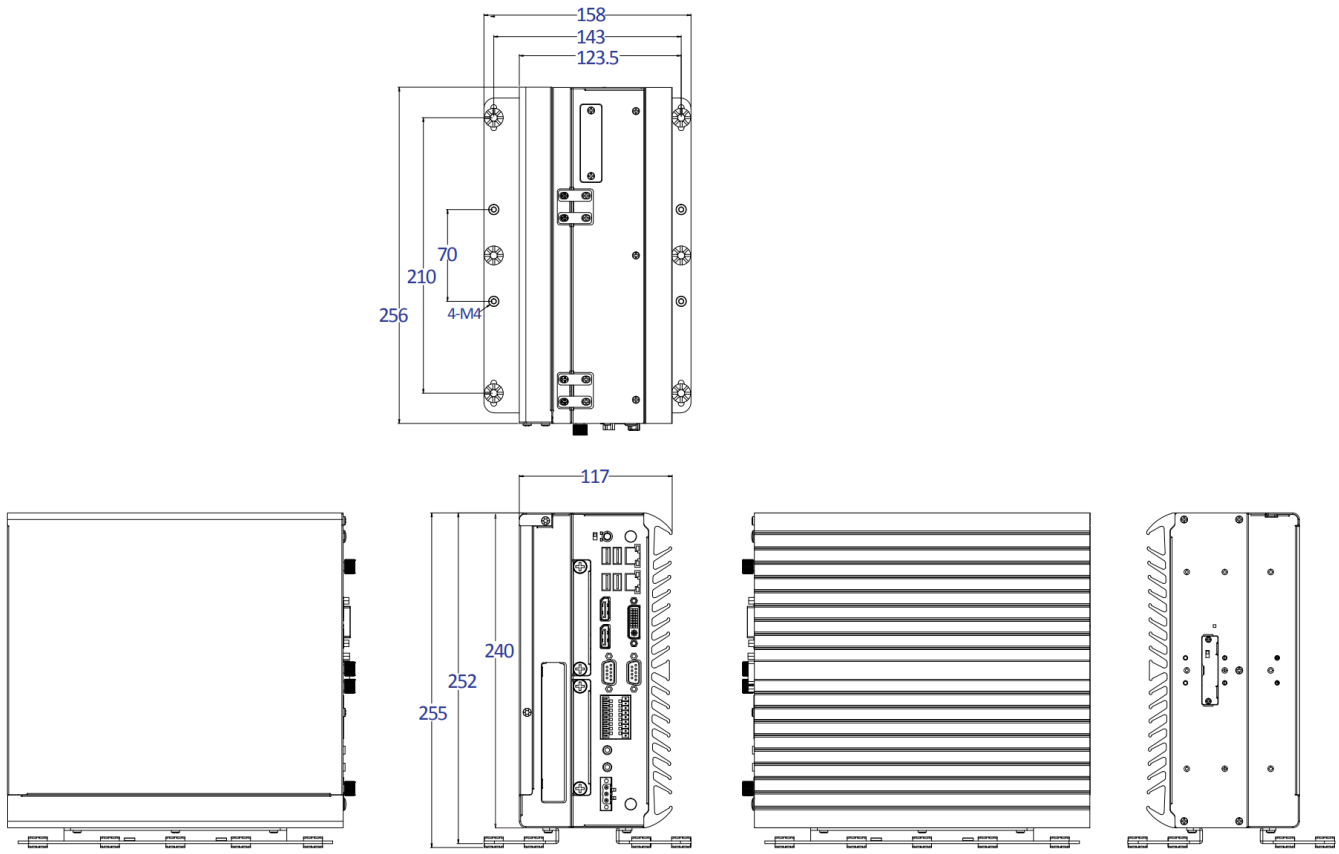


PUMA-V6000 Serie

PUMA-V6011: Anschlüsse (Layout)



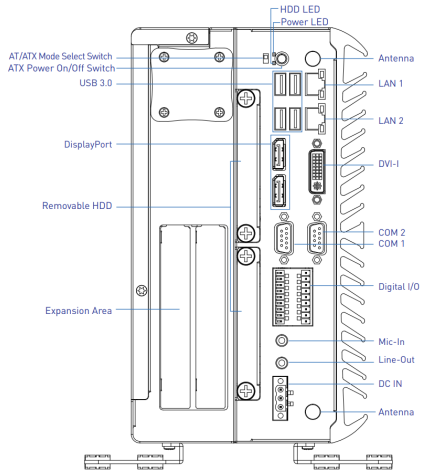
PUMA-V6011: Abmessungen (mm)



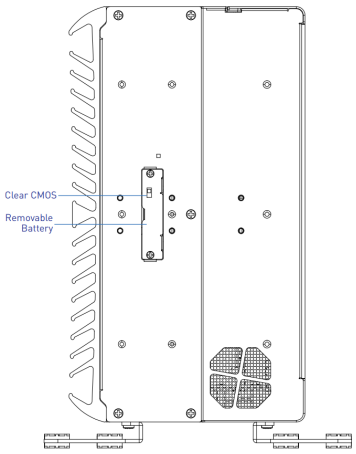
PUMA-V6000 Serie

PUMA-V6022: Anschlüsse (Layout)

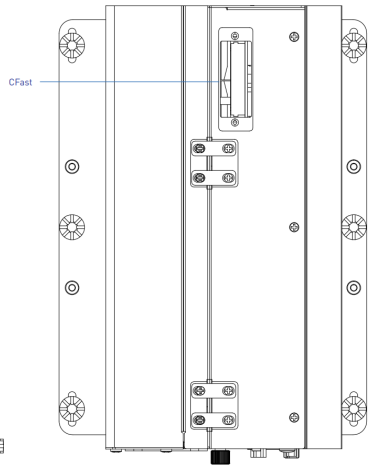
Front Panel



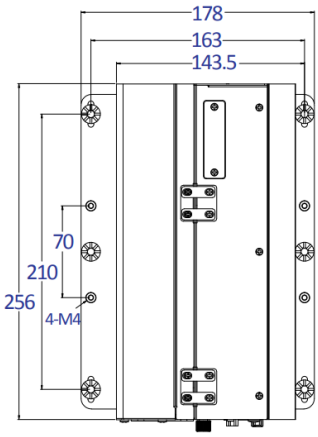
Rear Panel

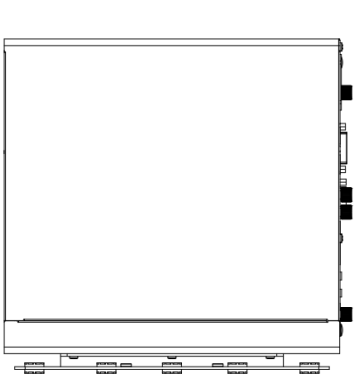


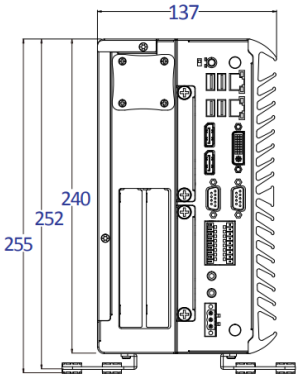
Top View

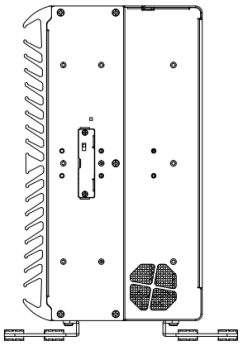


PUMA-V6022: Abmessungen (mm)





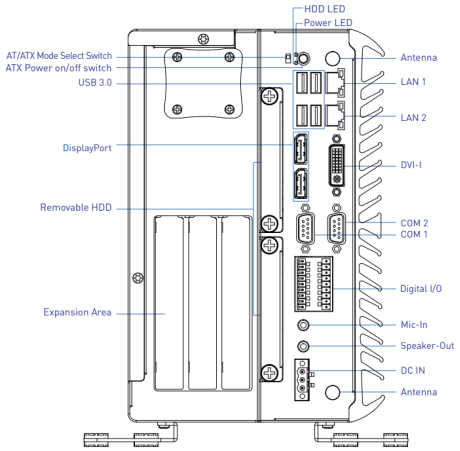




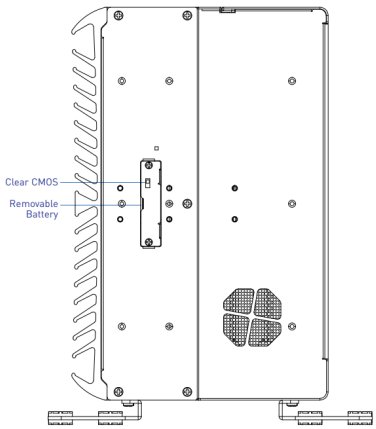
PUMA-V6000 Serie

PUMA-V6033: Anschlüsse (Layout)

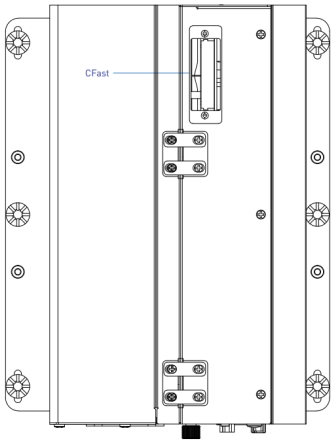
Front Panel



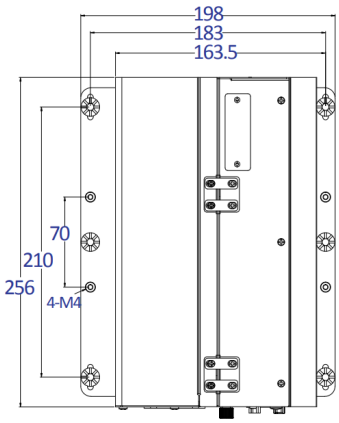
Rear Panel

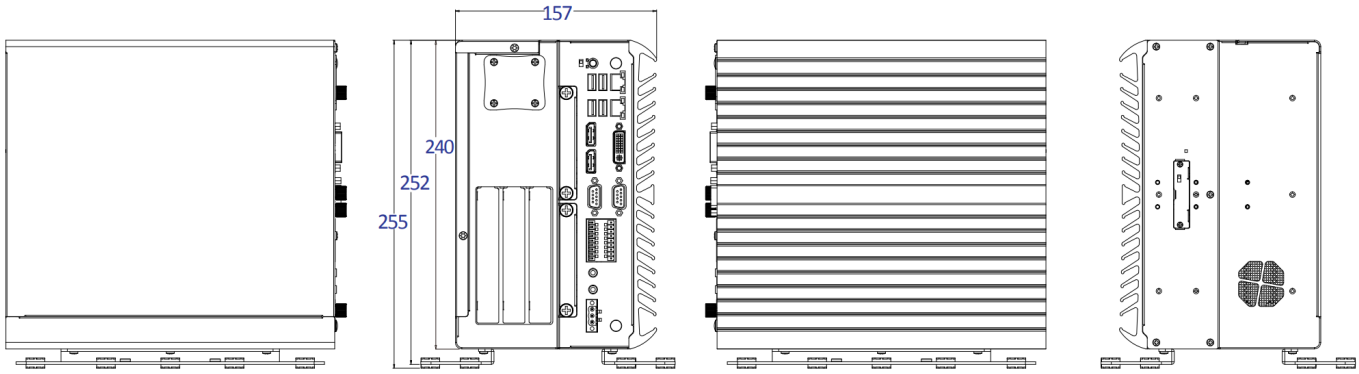


Top View



PUMA-V6033: Abmessungen (mm)

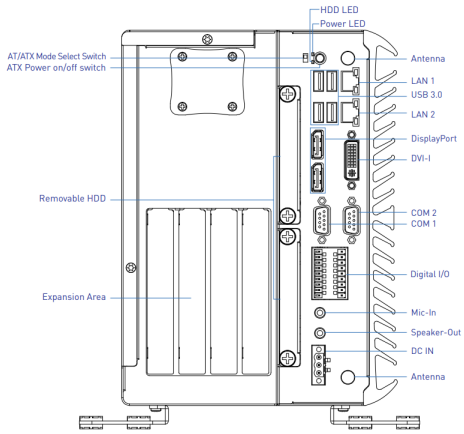




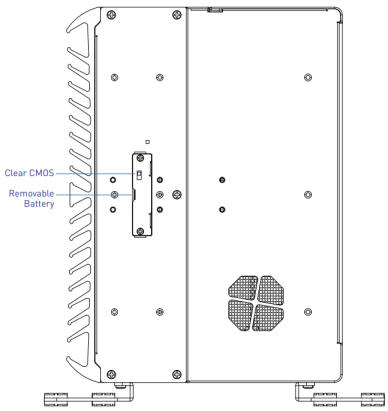
PUMA-V6000 Serie

PUMA-V6044: Anschlüsse (Layout)

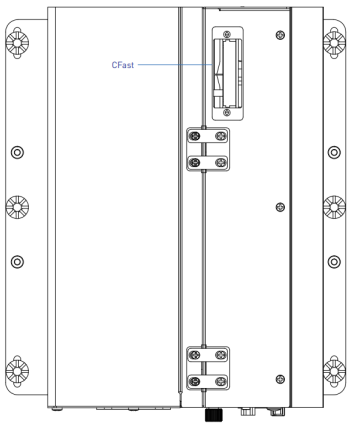
Front Panel



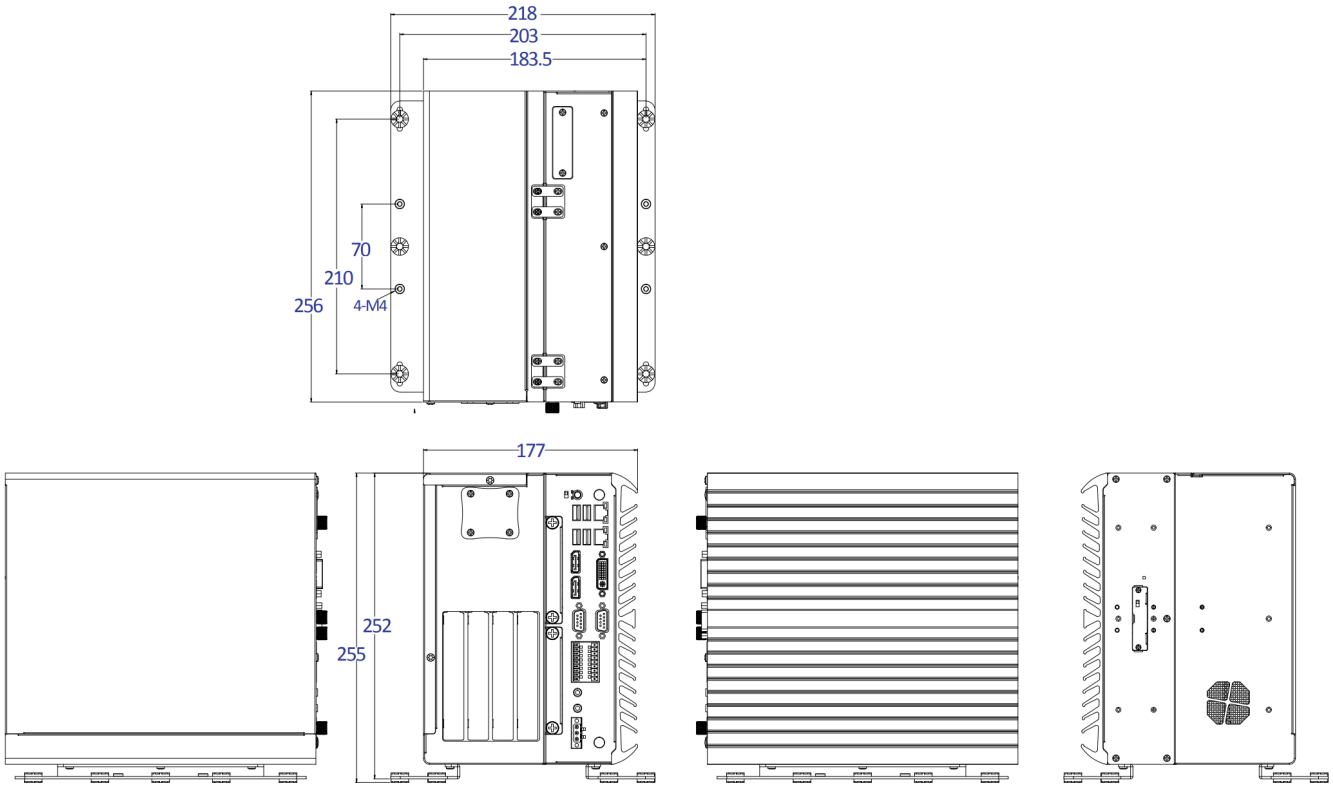
Rear Panel



Top View



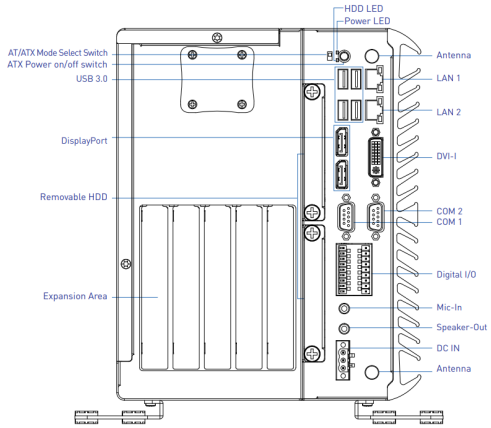
PUMA-V6044: Abmessungen (mm)



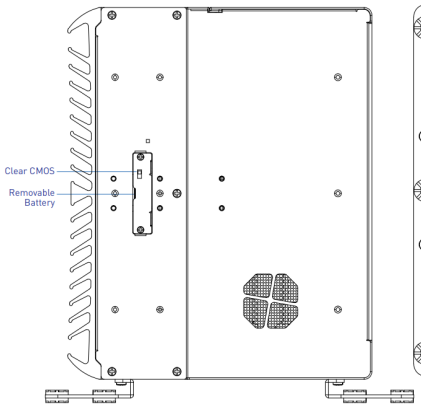
PUMA-V6000 Serie

PUMA-V6055: Anschlüsse (Layout)

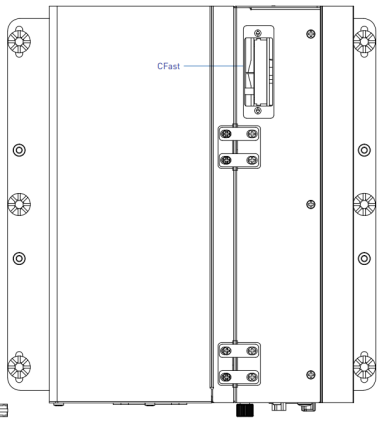
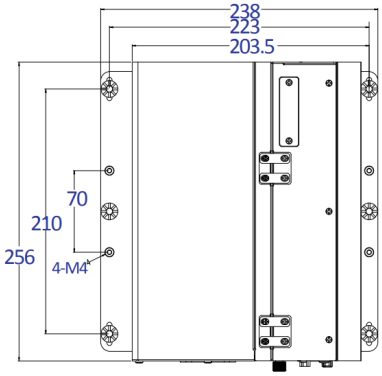
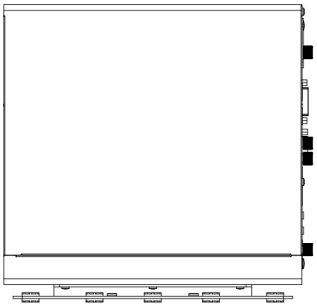
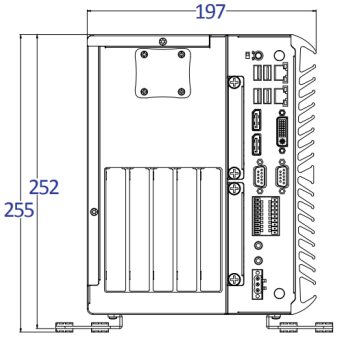
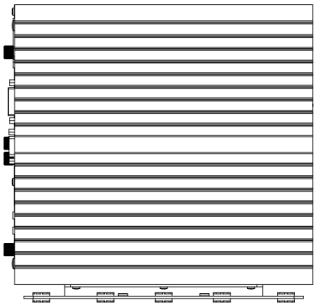
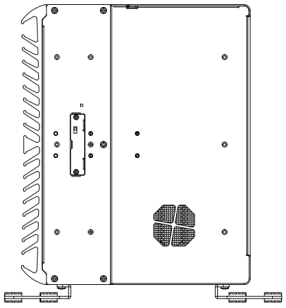
Front Panel



Rear Panel



Top View



PUMA-V6055: Abmessungen (mm)