Data Sheet

COPYLynx-ATX4

Multi Ingest Station

Data ingest from the vehicle to the cloud

for easy handling of very large storage data b-plus offers a data copy station with multiple 10 & 100Gbit interfaces, enabling synchronous data upload for up to 6 STORAGEs simultaneously. This copy station serves for the transfer of multi-sensor data to data centers, which ensures the subsequent processing for SiL and HiL simulation procedures, algorithm development and further procedures in sensor development.

Copy files from any source to any target manually triggered or full autonomous with pre-defined configuration profiles. No PC connection, no peripherals and no software configuration are required for operation.

Highlights

– Server performance
– Multiple Source & Target options with simultaneous data transfer
– For all b-plus STORAGE solutions

- Headless operation
- HMI, integrated info display
- Full-autonomous data transfer
- Simple and configurable copy-profiles
- Multiple Ethernet interfaces from 1 to 100G
- Secure hash algorithm support
- Integrated cloud services
- File encryption
- Source and target decryption
- File Server operating mode
- up to 256 Gbit/s data transfer

Specifications COPYLynx ATX4

Part Number	B16092-CLY-EP3-0001	B16092-CLY-EP3-0002
Describtion	COPYLynx ATX4, EP3 Gen4 – 6x STORAGE	COPYLynx ATX4, EP3 Gen3 – 4x STORAGE
STORAGE Interface	6 x PCIe 4.0 x8	4 x PCIe 3.0 x8
STORAGE Support	all b-plus x8 STORAGEs all b-plus x4 STORAGEs with optional Adapter MDLake	
CPU Platform	AMD Epyc™ 7763, 64 Core CPU 128GB DDR4, Linux OS (Debian based)	AMD Epyc™ 7443, 24 Core CPU 64GB DDR4, Linux OS (Debian based)
Bandwidth	up to 256 Gbit/s max 96 Gbit/s per STORAGE	up to 144 Gbit/s max 48 Gbit/s per STORAGE
LAN Source/Target	• 2x 1GbE • 4x 10GbE, 4x 10G SFP+ • 4x 100G QSFP56	• 2x 1GbE • 4x 10GbE • 2x 100G QSFP56
USB Source/Target	6x USB 3.0	
SATA Source/Target	1x 3.5" SATA HDD swap rack, 2x 2.5" SATA SSD swap rack	
Supported Windows FS	FAT16, FAT32, NTFS, exFAT	
Supported Linux FS	ext3, ext4, XFS, JFS, VFAT	
Ethernet Share	Samba / CIFS 1.0, 2.0, 2.1, 3.0 / NFS v2, v3, v4	
Cloud Services	Amazon AWS S3, IBM® Aspera®	
Drive en/decryption	Microsoft Azure, Microsoft Bitlocker	
File encryption	OpenSSL based	
Power Supply	100 – 240 V, 47 – 63 Hz AC~	
IP Class	IP20	
Humidity	90 % non-condensing	
Temperature	Operating: 0°C ~ +40°C, non-operating -20°C ~ +70°C	
Power Consumption	• System TDP: 870W • STORAGE: up to 6x 110W	• System TDP: 640W • STORAGE: up to 4x 100W
Mechanics	• 19inch, 8.5U • 472 mm(W) x 442 mm(D) x 378 mm(H) • 39 kg	• 19inch, 7U • 472 mm(W) x 442 mm(D) x 312 mm(H) • 32 kg
Approvals	CE, FCC, VCCI, RoHS, REACH	CE, RoHS, REACH