LYNX-8000 Series Datasheet (Preliminary)

LYNX-8110 / LYNX-812A / LYNX-812B / LYNX-812C / LYNX-812D / LYNX-812E

Model Name	LYNX-8110	LYNX-812A	LYNX-812B	LYNX-812C	LYNX-812D	LYNX-812E
General						
CPU	Intel Amston Lake X7213RE, 2 cores, TDP 9W Intel Amston Lake X7433RE, 4 cores, TDP 9W					
System Memory	LPDDR5 4800 MT/s Non-ECC Memory chips up to 32GB (default: 8GB)					
Storage	1x M.2 M key 2242 socket (For M.2 2242 M key SATA SSD) Onboard eMMC up to 256GB (default:128GB)					
Power Input	12V~30V DC					
Operating System	Windows 10/Windows 11/Linux					
TPM	TPM2.0					
Expansion	1x M.2 E Key 2230 socket (For M.2 WiFi module)					
Basic I/O Interface						
Power Connector	1x 2-Pin Terminal Block Connector					
Ethernet	2x Intel® I226IT 2.5GbE Ethernet					
USB	2x USB 3.2 Gen2 (10Gbps) 1x USB Type C (DisplayPort/USB 10Gbps support)					
Display	1x HDMI 1.4a port 1x USB Type C with DP ALT mode					
Extended I/O Interface						
COM/CANBUS/LAN/PoE	-	1x 2.5GbE PoE	2x 2.5GbE Bypass LAN 1x Console	3x 2.5GbE LAN	1x Isolation 1KV RS-485 2x Isolation 1KV CAN FD	2x RS-232/422/485
USB	-	2x USB 2.0	-	-	-	-
Expansion	-	Onboard Hailo-8 26 TOPs Chip	-	-	1x M.2 B Key socket with dual Micro SIM socket	1x M.2 B Key socket with dual Micro SIM socket
Certificate						
Certificate	CE, FCC Class A, EN62368-1					
Environmental						
Storage Temp.	-40°C ~ 85 °C					
Operating Temp.	-40°C ~ 70°C					
Permissible Humidity	40°C, 95%RH, non-condensing					
Operation Vibration	5Grms/10~500Hz, IEC 60068-2-6					
Operation Shock	50G, 11msec, IEC 60068-2-27					
Degree of Protection	IP30					
Dimension	120mm(W) x 56mm(H) x 120mm(D)	120mm(W) x 76mm(H) x 120mm(D)				
Weight (Kg)	1	1.15				
Mounting	DIN-rail / Wall Mount					

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