

Executive Summary

- Support for OV2024.3
- Dropped support for dKMB
- Support Windows 11 24H2 (Production Signed) and 23H2

Build Details

Ingredient	Versions and Links
Build Details	24ww35 UD2024.36 v2820
MCDM VPU driver	32.0.100.2820
VPUPFW	ci_tag_ud202436_vpu_rc_20240820_1902
OpenVINO VPuX	ci_tag_ud202436_vpux_rc_20240821_2017
OpenVINO VPuX Tools	ci_tag_ud202436_vpux_rc_20240821_2017
Public NN Models	24ww35 UD2024.36 v2820 (MTL & LNL) - Movidius Public Wiki - Intel Enterprise Wiki
DML Models	https://ubit-artifactory-or.intel.com/artifactory/movidius-vpu-or-local/Archive/Automation/Binaries/DML/Models/
OWR Release Links	Driver: TBD

Release Validation

Test Case Summary

Full Validation report:

Validation reports

SKU	VPUIP Validation report																		
MTL-H682	https://releases.ti.intel.com/reports/meteorlake/NightlyRegressions/2024/2024.07.26/VPU_FW_REGRESSION/ci_tag_ud202428_vpu_rc_20240726_0004/MTL_UD202428_regression_-_VPU_FW_REGRESSION_-_2024.07.26_-_2116.html																		
MTL-P281																			
MTL-U282																			
ARL Hx	https://releases.ti.intel.com/reports/arrowlake/NightlyRegressions/2024/2024.07.26/VPU_FW_REGRESSION/ci_tag_ud202428_vpu_rc_20240726_0004/ARL_UD202428_regression_-_VPU_FW_REGRESSION_-_2024.07.26_-_2116.html																		
ARL H																			
ARL S																			
ARL U																			
LNL:	https://releases.ti.intel.com/reports/lunarlake/NightlyRegressions/2024/2024.07.26/VPU_FW_REGRESSION.VPU_FW_EXTENDED_REGRESSION/ci_tag_ud202428_vpu_rc_20240726_0004/LNL_UD202428_regression_-_VPU_FW_EXTENDED_REGRESSION_-_2024.07.26_-_2116.html <table><tr><td>Criteria</td><td>No. of Tests</td><td>Percentage</td></tr><tr><td>Pass</td><td>1610</td><td>94%</td></tr><tr><td>Fail</td><td>99</td><td>6%</td></tr><tr><td>Block</td><td>0</td><td>0%</td></tr><tr><td>WIP</td><td>1</td><td>0%</td></tr><tr><td>Total</td><td>1710</td><td>100%</td></tr></table>	Criteria	No. of Tests	Percentage	Pass	1610	94%	Fail	99	6%	Block	0	0%	WIP	1	0%	Total	1710	100%
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Pass	1610	94%																	
Fail	99	6%																	
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WIP	1	0%																	
Total	1710	100%																	

HLK Tests:

MTL-H Driver 32.0.100.2714:

OS ver	No TC Failed	TC count	Comments
23H2 22631	0	73	
24H2 26100	0	216	

ARL-H Driver 32.0.100.2714:

OS ver	No TC Failed	TC count	Comments
24H2 26100	0	103	

ARL-Hx Driver 32.0.100.2714:

OS ver	No TC Failed	TC count	Comments
24H2 26100	1	216	Detect Malicious Software EISW-132733

ARL-S Driver 32.0.100.2714:

OS ver	No TC Failed	TC count	Comments
24H2 26100	0	103	

Driver ovr_intel_prod_npudriver-32.0.100.2714-Release

PHLKX Package Link

MTL-H 32.0.100.2696:

OS ver	No TC Failed	TC count	Comments
23H2 22631	0	73	
24H2 26100	0	216	

LNL-M 32.0.100.2696:

Sl. No	No TC Failed	TC count	Comments
24H2 26100	0	216	

Config Details

REFERENCE HARDWARE CONFIGURATION:

Host Info (wiki)						
RVP:	MTL-H682 & P681	MTL-U282	ARL-S	ARL -Hx	ARL -H	ARL-U
MCP:	C0					
BKC:	MTL-H-CORP-RST- ACX-24.23.5.335	MTL-U282-9W-CORP- RST-24.10.2.264	ARL-S-MTP-S-SV3- CORP-24.28.3.70	ARL-S-MTP-S-SV3- CORP-24.19.4.356	ARL-H-CORP- ACX-24.29.4.125	ARL-H-CORP- RST-24.23.1.136
Additional info:						
Reworks:						
BIOS settings:	MTLPFWI1.R00.4122.D14.2 405211331	MTLMFWI1.R00.3471.D92.2 402260921	MTLSFWI1.R00.4271.D81.2 407020609	MTLSFWI1.R00.4165.D02.2 404300646	MTLPFWI1.R00.4252.D82.2 407170917	MTLPFWI1.R00.4213.D81.2 405221214
VPU hardware:						

KNOWN AND/OR NEW ISSUES:

Major issues MTL

Key	Summary	Priority	Status	Resolution
EISW-136247	All Compiler CI VM hypervisors are down	P1- Stopper	Implemented	Unresolved
EISW-136148	1Click build fails on release branch creation when no new components are available	P1- Stopper	In Progress	Unresolved
EISW-135986	CI Smoke failure:[MTL] HLKModel test failed	P1- Stopper	In Progress	Unresolved
EISW-135326	Driver not correctly support W4align for SOH-NCHW for SOFTMAX	P1- Stopper	Open	Unresolved
EISW-135287	[MTL]Blobs compatibility tests failing with C0000005 - SEH_ERROR and no error message	P1- Stopper	In Progress	Unresolved
EISW-135119	[MTL] Test mip_latency_switch_priorities_1xHigh\volo_v4_tiny\ 2xMedium[mobilenet_v2]_ze constantly failing	P1- Stopper	Implemented	Unresolved
EISW-134200	[Dynabook][MTL][Quartz10][NPU][MEP][24H2] The MEP functions cannot be enabled with NPU driver v2540 or above.	P1- Stopper	Verified	Unresolved
EISW-131752	[VPUX CI] Revert the changes that blocks migration to Release pipeline	P1- Stopper	Blocked	Unresolved
EISW-130735	npv_dxil_frontend.dll exception when whisper model is run	P1- Stopper	In Progress	Unresolved
EISW-130528	GEMMMc with broadcast C tensor in Subgraph is inaccurate in Adobe AudioTagger ONNX model	P1- Stopper	Implemented	Unresolved
EISW-129829	Conv Metacommand inaccurate in Adobe AudioTagger ONNX model	P1- Stopper	Implemented	Unresolved
EISW-129462	Adobe AudioTagger ConvMC TryCreate INVALID_ARGUMENT Driver Exception on MTL	P1- Stopper	Verified	Unresolved
EISW-126783	Driver rejects all strategies for PADDING1 Metacommand in Adobe AudioTagger ONNX model	P1- Stopper	Open	Unresolved
EISW-126782	Driver rejects all strategies for ELEMENT_WISE_CLIP1 Metacommand in Adobe AudioTagger ONNX model	P1- Stopper	Verified	Unresolved

[14 issues](#), [Refresh](#)

Major issues ARL

Key	Summary	Priority	Status	Resolution
EISW-136492	[MTL][ARL] Multiprocessing Stability PV pipeline fails with graph_wrapper::check_cache_status:FALSE	P2- High	Open	Unresolved
EISW-136313	[ARL][JSM] unsupported operand type(s) for +: 'NoneType' and 'int'	P2- High	In Progress	Unresolved
EISW-136311	[ARL][Mip] Average latency with MIP enabled is higher than average latency with MIP disabled for the inference with higher priority	P3 - Medium	Open	Unresolved
EISW-136236	[ARL-R] [Performance] FP16\whisper_base_encoder.xml fails due to timeout reached	P2- High	Open	Unresolved
EISW-136097	[ARL-H][Latency] Model_G_v3_b_1_fp16_proxy due to compilation failed	P2- High	Open	Unresolved
EISW-135890	[OV Notebooks] ModuleNotFoundError: No module named 'git' - all tests failed	P3 - Medium	Open	Unresolved
EISW-135824	[MTL][ARL]etests_sanitiz_ze_graph_profiling fails with ZE_RESULT_ERROR_NOT_AVAILABLE	P3 - Medium	Open	Unresolved
EISW-135731	[MTL][ARL]Intel DNS fails with ZE_RESULT_ERROR_INVALID_ARGUMENT	P3 - Medium	Open	Unresolved
EISW-135612	[LNL][ARL][MTL][Mip] Fatal error in eTests::level_zero::graph_wrapper<struct zeTestFixture,1,1>::create_from_model	P2- High	Awaiting_Triage	Unresolved
EISW-135562	[ARL] Model E an C times out	P2- High	Open	Unresolved
EISW-135556	[ARL][MTL] Multiple Models fails with Exit code: C0000409 - STATUS_STACK_BUFFER_OVERRUN	P3 - Medium	Triage	Unresolved
EISW-135524	[MTL][ARL] Model G_V_3 Fails with ZE_RESULT_ERROR_INVALID_ARGUMENT	P3 - Medium	Triage	Unresolved

EISW-135483	[DML] DxDispatch not functional with 240807-2100.1.master.354e00c DML binary	P2- High	Closed	Unknown Fix
EISW-135286	[MTL][ARL] L0 pfnAppendGraphExecute result: ZE_RESULT_ERROR_DEVICE_LOST,code 0x70000001 duringedsr_nas_s_onnx_processes_32 test - Multiprocessing scope	P1 - Stopper	Open	Unresolved
EISW-134794	[MTL][ARL] DNS models are failing with ZE_RESULT_ERROR_INVALID_ARGUMENT	P3 - Medium	In Progress	Unresolved
EISW-134778	[MTL][ARL] H3 models are failing with ZE_RESULT_ERROR_INVALID_ARGUMENT	P3 - Medium	Open	Unresolved
EISW-134576	[MTL] [DML] audiotagger_half model failed OnnxruntimePerfApp	P3 - Medium	Open	Unresolved
EISW-134440	[ARL-U] ZE_RESULT_ERROR_INVALID_NULL_POINTER,code 0x78000007.ZE DynamicCaching cache_status_t::cache_status_t::found - Multiprocessing eTest	P2- High	Closed	Product Change
EISW-134389	[ARL] Power States tests end prematurely due to Network Adapter issues	P2- High	Awaiting_Triage	Unresolved
EISW-134272	[ARL] BSOD on multiple MEP eTest	P2- High	Closed	Cannot Reproduce