

Universal Compute Platform

Highlights

Container-as-a-Service

- Application deployment and management
- Hosted on the customer premises

Optimized Architecture

- Kubernetes Managed Docker

Container microservices architecture

- High performance, high availability hardware stack



Universal Compute Platform

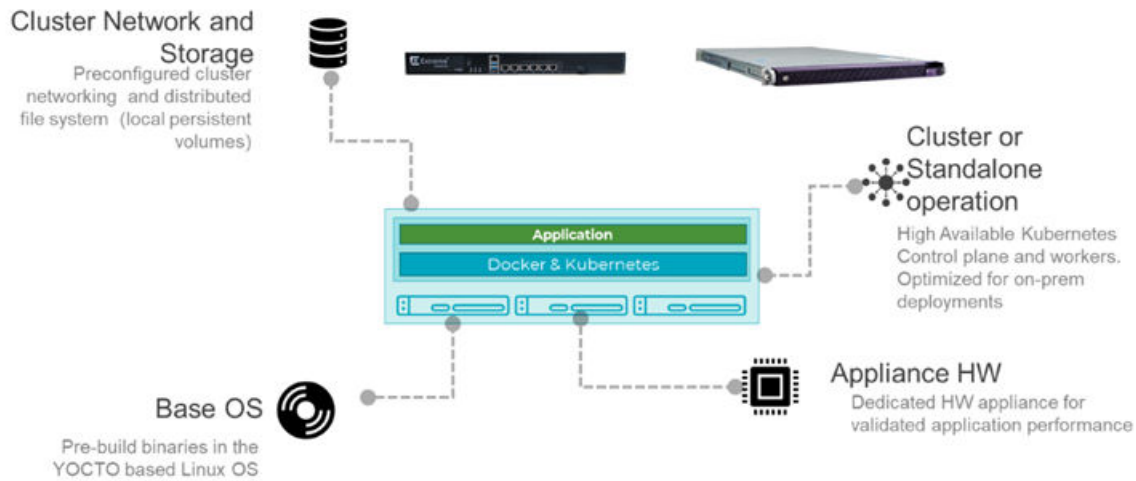
The Universal Compute Platform forms the basis for ExtremeCloud Edge deployment models, providing a container-based orchestration framework, in an Extreme qualified and validated high performance hardware configuration. The framework natively supports clustering, distributed file system and orchestration through Kubernetes, providing a highly resilient application operational base. CaaS is a cloud service model that allows users to manage and deploy containers, applications, and clusters through container-based virtualization.

The Universal Compute Platform offers flexible application orchestration, enables self-guided application installation, management, and full SaaS deployment of select applications such as ExtremeCloud™ IQ.

Universal Compute Platform

The Universal Compute Platform appliance is a high-performance appliance that hosts the middleware component sets of Extreme Universal Compute Platform. The appliance provides a high-performance computing platform for application deployment and hosting with asserted performance. The appliance provides a highly available Kubernetes Control plane, distributed filesystem and workers on three nodes, which are optimized for on-premises deployments.

Onboarding a cluster onto ExtremeCloud IQ provides central visibility of the state of operation. Visibility of cluster state is also provided directly from the appliance itself.



Technical Specifications

Currently the following Universal Compute platforms are available:

- 4120C for Large Scale Self-Orchestration ExtremeCloud Edge deployments
- 4120C-1 for Managed Orchestration deployments
- 1130C for Small Scale Self-Orchestration ExtremeCloud Edge application deployment

Universal Compute Platform 4120C/-1

Length	79.38 cm (31.25 in)
Width	43.85 cm (17.25 in)
Height	4.38 cm (1.7 in)
Weight	13.26 kg (29.23 lb)
Operating Temperature	10°C to 35°C (50°F to 95°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5% to 90%, non-condensing
19" Rack Mountable	1U configuration to fit standard 19" rack (mounting kit included)
Front and Rear Mount	I/O cabling and power cabling at back of unit; power switch at the front
Data Ports	2 x 10/25/40/50 Gbps QSFP28 (GBICs Sold Separately) 2 x 1/10 Gbps BASE-T
Management Ports	1 x 10/100/1000 Mbps Base-T 5 x USB 3.0 ports. Use one. RJ45 Console Port
Power Specifications	Power (max): 1300 W (Redundant Power Supply Included) Voltage: 110/240 VAC

Regulatory/Safety	<ul style="list-style-type: none"> • UL60950 - CSA 60950 (USA/Canada) • EN60950 (Europe) • IEC60950 (International) • CB Certificate and Report • IEC60950 GS Certification (Germany) 	<ul style="list-style-type: none"> • GOSTR 50 377-92 - Certification (Russia) • Ukraine Certification (Ukraine) • CE- Low Voltage Directive • 2011/65/EU (Europe)
Emissions	<ul style="list-style-type: none"> • FCC/ICES-00 3 - Emissions (USA/Canada) CISPR 22 - Emissions (International) • EN55022 - Emissions (Europe) • EN55024 - Immunity (Europe) • EN6100 0 -3-2 - Harmonics (Europe) • EN6100 0 -3-3 - Voltage Flicker (Europe) • CE- EMC Directive 20 0 4/10 8 EC (Europe) 	<ul style="list-style-type: none"> • VCCI Emissions (Japan) • AS/NZS 3548 Emissions (Australia/New Zealand) • BSMI CNS13438 Emissions (Taiwan) • GOST R 29216-91 Emissions (Russia) • GOST R 50 628-95 Immunity (Russia) • Ukraine Certification (Ukraine)

Universal Compute Platform 1130C

Length	43 cm (16.93 in)
Width	32 cm (12.58 in)
Height	4.4 cm (1.72 in)
Weight	5.9 kg (13.07 lb)
Operating Temperature	+0°C to +40°C (+32°F to +104°F)
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Humidity	5% to 90%, non-condensing
19" Rack Mountable	1U configuration to fit standard 19 in. rack (rack mounting ears, fasteners, and rubber feet in the package)
Data Ports	4 x 1Gbps BASE-T
Management Ports	2 x 1 Gbps BASE-T 2 x USB 3.0 ports. Use one. RJ45 Console Port
Power Specifications	Power (max): 150 W Voltage: 110/240 VAC

Regulatory/Safety	<ul style="list-style-type: none"> • USA, UL60950-1, 62368-1 Listed Device • Canada, CSA 22.2 #60950-1, 62368-1 • EN 62368-1 • 2014/35 EU Low Voltage Directive 	International Safety <ul style="list-style-type: none"> • CB Scheme IEC 62368-1 Ed.+ National Differences • Australia/New Zealand, AS/NZS 62368-1 • Taiwan, BSMI CNS 15598-1 • China, GB 4943.1
Emissions	<ul style="list-style-type: none"> • USA, Canada - FCC 47 CFR Part 15 Class A, ICES-003 Class A • EN 55032 Class A (Emissions for ITE Equipment) • EN 55011 (Emissions for Industrial, Scientific & Medical Radio Frequency Equipment) • EN 55035 Class A • EN6100 0 -3-2 - Harmonics (Europe) • EN6100 0 -3-3 - Voltage Flicker (Europe) • 2014/30/EU (Europe) CE - EMC Directive • CISPR 35 Class A (International Immunity for ITE Equipment) • CISPR 32 Class A (International Emissions) AS/NZS CISPR32 • EN 300 386 • Taiwan, BSMI CNS 15936 • China, GB/T 9254.1 	Country Specific <ul style="list-style-type: none"> • VCCI Class A (Japan Emissions) • ACMA RCM (Australia Emissions) • CQC Mark (China) • KCC Mark, EMC Approval (Korea) • BSMI (Taiwan) • Anatel (Brazil) • NoM (Mexico) • EAC (Armenia, Kazakhstan) • NRCS (South Africa)

Ordering Information

Universal Compute Platform

Part Number	Description
4120C	Extreme Universal Compute Platform 4120C Appliance (Large) for ExtremeCloud Edge - Self Orchestration
4120C-1	Extreme Universal Compute Platform 4120C-1 Appliance (Large) for ExtremeCloud Edge - Managed Orchestration
1130C	Extreme Universal Compute Platform 1130C Appliance (Small) for ExtremeCloud Edge - Self Orchestration

4120C Services

Part Number	Description
97000-4120C	EW TAC and OS 4120C
97004-4120C	EW NBD AHR 4120C
97304-4120C	EW Edu NBD Part Only 4120C
97007-4120C	EW 4HR AHR 4120C
97008-4120C	EW 4HR ONSITE 4120C
97011-4120C	EW NBD ONSITE 4120C
95504-4120C	PW NBD AHR 4120C
95507-4120C	PW 4HR AHR 4120C
95508-4120C	PW 4HR ONSITE 4120C
95511-4120C	PW NBD ONSITE 4120C

Part Number	Description
95600-4120C	PW PTAC and OS 4120C
95604-4120C	PWP NBD AHR 4120C
97404-4120C	EW MonitorPLS NBD AHR 4120C
97407-4120C	EW MonitorPLS 4HR AHR 4120C
97408-4120C	EW MonitorPLS 4HR Onsite 4120C
97411-4120C	EW MonitorPLS NBD Onsite 4120C
97504-4120C	EW ResponsePLS NBD AHR 4120C
97507-4120C	EW ResponsePLS 4HR AHR 4120C
97508-4120C	EW ResponsPLS 4HR Onsite 4120C
97511-4120C	EW ResponsPLS NBD Onsite 4120C
98000-4120C	EWP Premier TAC and OS 4120C
98004-4120C	EWP Premier NBD AHR 4120C
98007-4120C	EWP Premier 4HR AHR 4120C
98008-4120C	EWP Premier 4HR ONSITE 4120C
98011-4120C	EWP Premier NBD ONSITE 4120C
98504-4120C	EWPP PremierPLS NBD AHR 4120C
98507-4120C	EWPP PremierPLS 4HR AHR 4120C
98508-4120C	EWPP PremierPLS 4HR Onsite 4120C
98511-4120C	EWPP PremierPLS NBD Onsite 4120C

4120C-1 Services

Part Number	Description
97000-4120C-1	EW TAC & OS 4120C-1
97004-4120C-1	EW NBD AHR 4120C-1
97304-4120C-1	EW Edu NBD Part Only 4120C-1
97007-4120C-1	EW 4HR AHR 4120C-1
97008-4120C-1	EW 4HR ONSITE 4120C-1
97011-4120C-1	EW NBD ONSITE 4120C-1
95504-4120C-1	PW NBD AHR 4120C-1
95507-4120C-1	PW 4HR AHR 4120C-1
95508-4120C-1	PW 4HR ONSITE 4120C-1
95511-4120C-1	PW NBD ONSITE 4120C-1
95600-4120C-1	PWP TAC & OS 4120C-1
95604-4120C-1	PWP NBD AHR 4120C-1

Part Number	Description
97404-4120C-1	EW MonitorPLS NBD AHR 4120C-1
97407-4120C-1	EW MonitorPLS 4HR AHR 4120C-1
97408-4120C-1	EW MonitorPLS 4HR Onsite 4120C-1
97411-4120C-1	EW MonitorPLS NBD Onsite 4120C-1
97504-4120C-1	EW ResponsePLS NBD AHR 4120C-1
97507-4120C-1	EW ResponsePLS 4HR AHR 4120C-1
97508-4120C-1	EW ResponsePLS 4HR Onsite 4120C-1
97511-4120C-1	EW ResponsePLS NBD Onsite 4120C-1
98000-4120C-1	EWP Premier TAC & OS 4120C-1
98004-4120C-1	EWP Premier NBD AHR 4120C-1
98007-4120C-1	EWP Premier 4HR AHR 4120C-1
98008-4120C-1	EWP Premier 4HR ONSITE 4120C-1
98011-4120C-1	EWP Premier NBD ONSITE 4120C-1
98504-4120C-1	EWPP PremierPLS NBD AHR 4120C-1

1130C Services

Part Number	Description
97000-1130C	EW TAC & OS 1130C
97004-1130C	EW NBD AHR 1130C
97304-1130C	EW Edu NBD Part Only 1130C
97007-1130C	EW 4HR AHR 1130C
97008-1130C	EW 4HR ONSITE 1130C
97011-1130C	EW NBD ONSITE 1130C
95504-1130C	PW NBD AHR 1130C
95507-1130C	PW 4HR AHR 1130C
95508-1130C	PW 4HR ONSITE 1130C
95511-1130C	PW NBD ONSITE 1130C
95600-1130C	PWP TAC & OS 1130C
95604-1130C	PWP NBD AHR 1130C
97404-1130C	EW MonitorPLS NBD AHR 1130C
97407-1130C	EW MonitorPLS 4HR AHR 1130C
97408-1130C	EW MonitorPLS 4HR Onsite 1130C
97411-1130C	EW MonitorPLS NBD Onsite 1130C
97504-1130C	EW ResponsePLS NBD AHR 1130C

Part Number	Description
97507-1130C	EW ResponsePLS 4HR AHR 1130C
97508-1130C	EW ResponsePLS 4HR Onsite 1130C
97511-1130C	EW ResponsePLS NBD Onsite 1130C
98000-1130C	EWP Premier TAC & OS 1130C
98004-1130C	EWP Premier NBD AHR 1130C
98007-1130C	EWP Premier 4HR AHR 1130C
98008-1130C	EWP Premier 4HR ONSITE 1130C
98011-1130C	EWP Premier NBD ONSITE 1130C
98504-1130C	EWPP PremierPLS NBD AHR 1130C
98507-1130C	EWPP PremierPLS 4HR AHR 1130C
98508-1130C	EWPP PremierPLS4HROnsite 1130C
98511-1130C	EWPP PremierPLSNBDOnsite 1130C

Connectivity – 4120C/-1

For optics choices for E4120C/-1, refer to <https://optics.extremenetworks.com/MISC/Model/4120C/>.



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