

Advantech-flexiWAN

Pre-configured uCPE with Ubuntu & flexiWAN SD-WAN



Features

- Verified uCPE configuration pre-loaded and pre-tested with Ubuntu 18.04 LTS + flexiWAN flexiEdge SD-WAN
- Pre-configured to boot out-of-the box with zero touch provisioning
- Based on Advantech FWA-T011 slim uCPE and FWA-1112VCL for entry-level deployments
- IPSec over VxLAN tunnels, Tunnel quality metrics
- Internet Breakout, Static routes configuration
- Dashboards, Credit card based billing on flexiEdge
- Scheduled auto software upgrade, Northbound API access keys



Software Features

- Central Management** - Managed by flexiWAN's Central multi-tenant management system
- SaaS Business Model** - Easily create a free account on the flexiWAN management system to manage initial flexiEdge instances and scale as needed. Pricing and free account creation from here: <https://flexiwan.com/pricing/>
- ZTP** - Pre-installed on Advantech devices with Zero Touch Provisioning deployment features
- Routing Policy** - Policy & application based routing centrally configured and deployed to selected devices
- Network Interfaces** - Multiple WAN, LAN & local internet breakout
- High Performance** - Over 500 Mbps on a single CPU core (depending on traffic type)
- Application Framework** - Modular SW architecture for 3rd party application integration
- More Features** - Other SD-WAN and security features as detailed here: <https://docs.flexiwan.com/overview/feature-desc.html>

uCPE Ordering Information

Part Number	FWA-T011FX-4CA1S	FWA-1112VCFX-4CA1S
Processor	Intel® Celeron® J3455 (4C/4T, 1.5GHz)	Intel Atom® C3436L(4C/4T, 1.3GHz, with integrated Intel® QAT)
Memory capacity	8GB DDR3L	8GB DDR4
Storage capacity	32GB M.2 SSD	64GB M.2 SSD
Ethernet Interface	4 x 1GbE RJ45	6 x 1GbE RJ45
Wireless Connectivity	1 x M.2 2230 E-Key for Wifi 1 x M.2 3042 B-Key for LTE	1 x M.2 2230 E-Key for Wifi 1 x M.2 3042 B-Key for LTE (Reserve M.2 3052 B-Key for 5G Sub.6)
USB Interface	2 x USB3.0	2 x USB3.0
Dimension (L x W x H)	152 x 125 x 21 mm	220 x 160 x 31.2 mm
Weight	0.7kg	1.6kg
Power Supply	36W External Adaptor	36W External Adaptor
Temperature	0 ~ 40 °C	0 ~ 40 °C
Humidity	40 °C @ 95%	40 °C @ 95%
MTBF	183,783hrs	516,772hrs
Regulatory	CE/FCC/UL/CB/RCM/VCCI/CCC	CE/FCC/UL/CB/RCM/VCCI/CCC

Optional Accessory

Part Number	Description
FWA-T011-WLAN	IEEE 802.11 a/b/g/n/ac WiFi kit
FWA-T011-WWAN	4G Cat.6 LTE kit (Sierra EM7455 for EMEA+North America)
FWA-T011-WWAN2	4G Cat.6 LTE kit (Quectel /EM06 for EMEA+APAC)
FWA-1112VCL-RMK	Rack-mount kit
FWA-1112VC-WLAN	IEEE 802.11 a/b/g/n/ac WiFi kit
FWA-1112VC-WWAN2	4G Cat.6 LTE kit (Sierra EM7455 for EMEA+North America)
FWA-1112VC-WWAN	4G Cat.6 LTE kit (Quectel /EM06 for EMEA+APAC)

Part Number	Description
1700001524	Power cord for Canada, Philippines, Taiwan, Thailand, USA
170203183C	Power cord for Europe, Indonesia, Israel
170203180A	Power cord for Malaysia, Singapore, UK
1700008921	Power cord for Japan
1700018409	Power cord for Korea
1700022814-11	Power cord for Brazil
1700025113-11	Power cord for India