

# Moku Compile Configuration Guide



Choose a software subscription to build custom bitstreams and a hardware license to deploy them on your Moku.

## Moku Compile software subscription tiers

Select the Moku Compile tier that meets your needs.

Base \$0	Premium \$1,000 USD	Enterprise \$8,000 USD
<b>Includes:</b> Moku Cloud Compile access ..... Limited builds (5 bitstreams per month) ..... Deploy to any Moku device ..... Limited sample rate ..... User data may be used for product improvement	<b>Everything in Base, plus:</b> Up to 500 builds per year ..... Ability to build full-rate bitstreams* ..... Extended build timeouts for more complex designs ..... Ability to opt out of data usage for product improvement  *Requires Custom Instrument+ to deploy to Moku:Delta or Moku:Pro Paid per user, per year	<b>Everything in Premium, plus:</b> On-premises Moku Compile toolchain access* ..... Startup assistance  Added security with your own Ed25519 key pair to sign bitstreams  *Requires customer-supplied Vivado license to target Moku FPGAs *Requires Custom Instrument+ to deploy to Moku:Delta or Moku:Pro Paid per admin account, per year

## Moku device hardware licenses

Select the Moku Custom Instrument license needed to deploy and run your bitstreams. Custom Instrument licenses are perpetual licenses tied to the hardware unit serial number.

### Custom Instrument

Deploy and run Moku Compile bitstreams for Moku:Lab and Moku:Go, and limited-rate (non-interlaced) Moku Cloud Compile bitstreams for Moku:Pro and Moku:Delta.

| \$0, included in Base Bundle

### Custom Instrument+

Deploy and run full sample rate Moku Cloud Compile bitstreams or any on-premises compiled bitstreams for Moku:Pro and Moku:Delta. Export restrictions may apply.

Moku: Pro - \$1000  
Moku:Delta - \$3000  
Included in Full Suite Bundle+

## Maximum Sample Rates

	Moku:Delta			Moku:Pro	Moku:Lab		Moku:Go	
	3-slot	5-slot	8-slot	4-slot	2-slot	3-slot	2-Slot	3-slot
Limited-rate (non-interlaced)	312.5 MSa/s**			312.5 MSa/s**	125 MSa/s		31.25 MSa/s	
Full-rate (interlaced)	5 GSa/s*	1.25 GSa/s*	625 MSa/s*	1.25 GSa/s*	500 MSa/s	250 MSa/s	125 MSa/s	62.5 MSa/s

\*Custom Instrument+ required

\*\*Custom Instrument+ required for on-premises Moku Compile

## Register your hardware

On-premises Moku Compile users must register their hardware units against their Enterprise account. Contact [support@liquidinstruments.com](mailto:support@liquidinstruments.com) and provide:

- | Your public signing key provided by the on-prem toolchain
- | Serial numbers of the Moku hardware units you will be deploying bitstreams to

## Configuration Examples

1. You need to build full-rate bitstreams on-premises and run them on 1 Moku:Delta, 2 Moku:Pro units and 3 Moku:Go units. Order the following:

Product	Type	Quantity	Price
Moku Compile - Enterprise Tier (on-prem)	1-year software subscription	1	\$8,000
Custom Instrument+ for Moku:Delta	Perpetual hardware license	1	\$3,000
Custom Instrument+ for Moku:Pro	Perpetual hardware license	2	\$1,000
		Total:	\$13,000

## Configuration Examples - continued

- 2.** You need to build bitstreams to run on Moku:Delta. You have cloud access, limited-rate speeds are sufficient, and you expect to build >5 bitstreams per month. Order the following:

Product	Type	Quantity	Price
Moku Compile - Premium Tier	1-year software subscription	1	\$1,000
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		Total:	\$1,000

- 3.** You need to build full-rate bitstreams in the cloud and run them on Moku:Delta and Moku:Lab. Order the following:

Product	Type	Quantity	Price
Moku Compile - Premium Tier	1-year software subscription	1	\$1,000
.....	.....	.....	.....
Custom Instrument+ for Moku:Delta	Perpetual hardware license	1	\$3,000
		<hr/>	<hr/>
		Total:	\$4,000

If you have any questions or need help configuring, please reach out to [support@liquidinstruments.com](mailto:support@liquidinstruments.com).