

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 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Includes: <ul style="list-style-type: none">Moku Cloud Compile accessLimited builds (5 bitstreams per month)Deploy to any Moku deviceLimited sample rateUser data may be used for product improvement | Everything in Base, plus: <ul style="list-style-type: none">Up to 500 builds per yearAbility to build full-rate bitstreams*Extended build timeouts for more complex designsAbility to opt out of data usage for product improvement <p><small>*Requires Custom Instrument+ to deploy to Moku:Delta or Moku:Pro Paid per user, per year</small></p> | Everything in Premium, plus: <ul style="list-style-type: none">On-premises Moku Compile toolchain access*Startup assistanceAdded security with your own Ed25519 key pair to sign bitstreams <p><small>*Requires customer-supplied Vivado license to target Moku FPGAs Paid per admin account, per year</small></p> |

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) bitstreams for Moku:Pro and Moku:Delta.

| \$0, included in Base Bundle

Custom Instrument+

Deploy and run full sample rate 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

Register your hardware

On-premises Moku Compile users must register their hardware units against their Enterprise account. Contact 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 |
| | | <hr/> | <hr/> |
| | | 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.