

Results of Operations

The following table sets forth the percentage of revenue for certain items in our statements of operations for the periods indicated:

	Fiscal Years		
	2019	2018	2017
Statements of Operations:			
Revenue	100 %	100 %	100 %
Cost of revenue	43 %	50 %	55 %
Gross profit	57 %	50 %	45 %
Operating expenses:			
Research and development	120 %	79 %	79 %
Selling, general and administrative	86 %	79 %	81 %
Loss from operations	(149) %	(108) %	(115) %
Interest expense	(3) %	(1) %	(1) %
Interest income and other expense, net	2 %	1 %	— %
Loss before income taxes	(150) %	(108) %	(116) %
Provision for income taxes	1 %	1 %	1 %
Net loss	(151) %	(109) %	(117) %

Impact of inflation and product price changes on our revenue and on income was immaterial in 2019, 2018 and 2017.

Comparison of Fiscal Years 2019 and 2018

Revenue. The table below sets forth the changes in revenue for fiscal year ended December 29, 2019, as compared to fiscal year ended December 30, 2018 (in thousands, except percentage data):

	Fiscal Years				Year-Over-Year Change	
	2019		2018			
	Amount	% of Total Revenues	Amount	% of Total Revenues		
Revenue by product family (1):						
New products	\$ 3,123	30 %	\$ 5,735	45 %	\$ (2,612)	(46)%
Mature products	7,187	70 %	6,894	55 %	293	4 %
Total revenue	\$ 10,310	100 %	\$ 12,629	100 %	\$ (2,319)	(18)%

- (1) New products include all products manufactured on 180 nanometer or smaller semiconductor processes, eFPGA IP license, QuickAI and SensiML AI software as a service (SaaS) revenues. Mature products include all products produced on semiconductor processes larger than 180 nanometer.

The 46% decrease in new product revenue in 2019 was primarily due to lower sales from Display Bridge Solution, eFPGA license and connectivity product, which was partially offset by an increase in AI SaaS revenue. The increase in mature product revenue was due primarily to increased orders from our customers in the defense, aerospace, test and instrumentation sectors.

Gross Profit. The table below sets forth the changes in gross profit for fiscal year ended December 29, 2019, as compared to fiscal year ended December 30, 2018 (in thousands, except percentage data):

	Fiscal Years				Year-Over-Year Change	
	2019		2018			
	Amount	% of Total Revenues	Amount	% of Total Revenues		
Revenue	\$ 10,310	100 %	\$ 12,629	100 %	\$ (2,319)	(18)%
Cost of revenue	4,405	43 %	6,295	50 %	(1,890)	(30)%
Gross profit	\$ 5,905	57 %	\$ 6,334	50 %	\$ (429)	(7)%