

MegaChips Technology America Corporation

MegaChips

MegaChips Corporation was established in 1990 as the first innovative fabless LSI company in Japan dedicated to ASICs and SOCs with integrating LSIs and systems/applications knowledge. Its focus is on the development of cutting-edge SOCs incorporating original algorithms and architecture in the areas of imaging, audio, and telecommunications.

MegaChips' products and technologies are targeting to Mobile, Wearable devices and IoT applications. The company is headquartered in Osaka., with design centers in San Jose, Tokyo and Bangalore. Their main specialties are ASICs, HD PLC Products, Sensor Fusion DSPs, MEMS/LCD Timing ICs, and Display Port ICs.

ASICs

➤ Built on a solid 26 year experience in product development, manufacturing, and quality assurance.

1

Broad IP &
Process
Technology

2

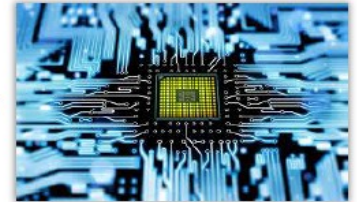
Outstanding
Development
Capabilities

3

Fast
Response
Time

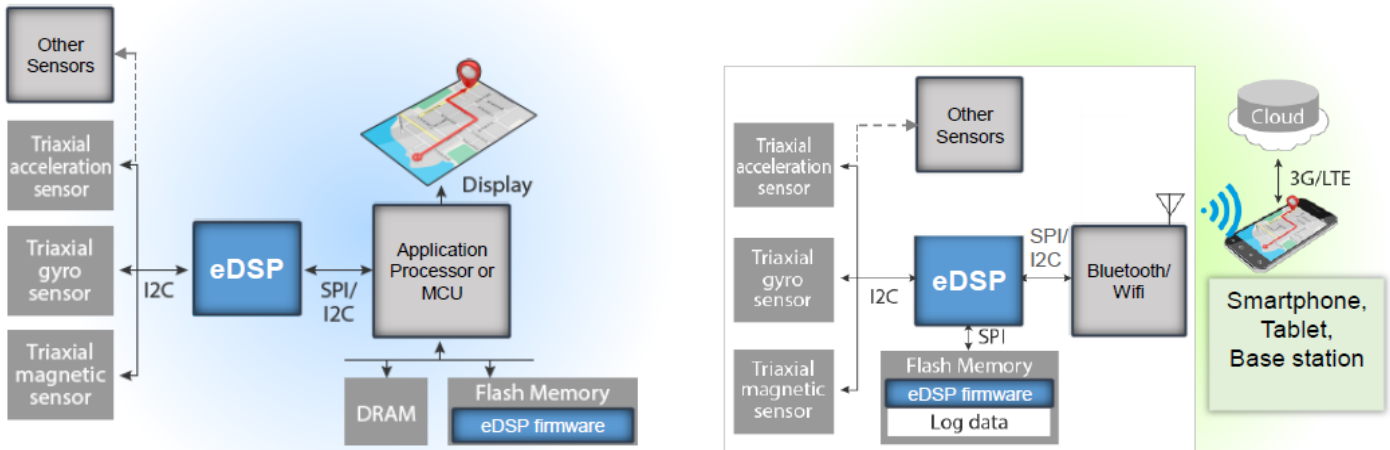
4

Stable
Business
Model



Sensor Fusion DSPs

Application Examples



Inertial Based
Navigation



Activity Recognition
and Measurement



Rich-Gesture
recognition

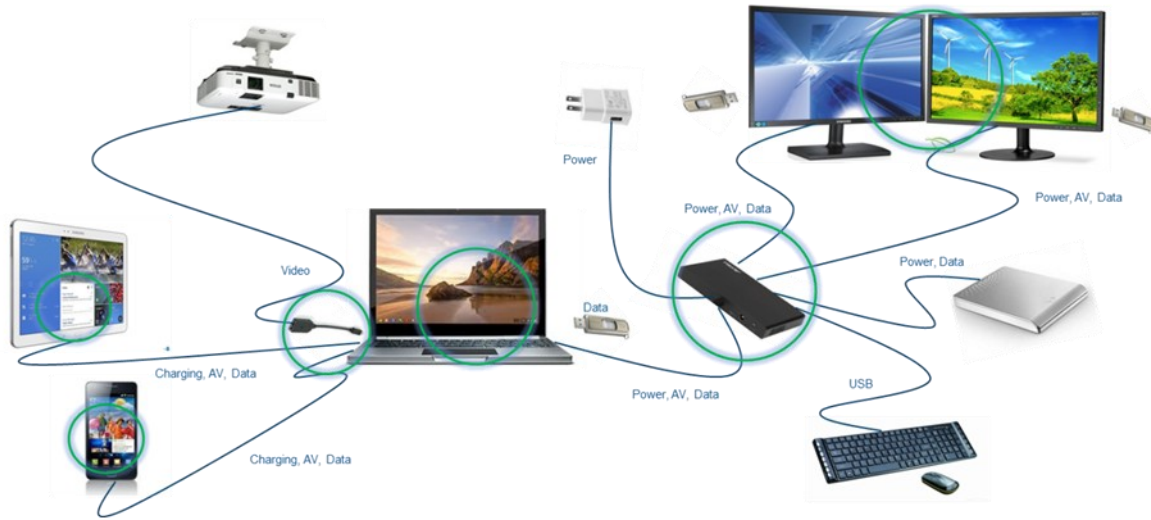


Geofencing



Biometrics
Monitoring

Display Port ICs



Part Number	Feature Differentiation	Application	Package
DP SST Converters			
STDP4020	DP/eDP to QLVDS/TTL	Digital TV, LCD Monitor, Mobile Display, Projector etc.	164LFBGA 12 x 12 mm
STDP4010	DP/eDP to DLVDS/TTL	Digital TV, LCD Monitor, Mobile Display, Projector etc.	164LFBGA 12 x 12 mm
STDP4028	QLVDS/TTL to DP/eDP	Digital TV, Docking Station, STB, Game Console etc.	164LFBGA 12 x 12 mm
STDP3100	10-bit Video DAC (DP to VGA)	Notebook, Desktop PC, Dongle, Desktop PC Motherboard etc.	64LQFP 10 x 10 mm
STDP3150	10-bit Video DAC (DP to VGA)	Notebook, Desktop PC, Dongle, Desktop PC Motherboard etc.	64QFN 6 x 6 mm
STDP3160	8-bit Video DAC (DP to VGA)	Notebook, Desktop PC, Dongle, Desktop PC Motherboard etc.	81BGA 8 x 8 mm
STDP2600	HDMI-DP++	Audio-video accessory (dongle), Docking Station etc.	81BGA 8 x 8 mm
STDP2650	DP1.2 to HDMI1.4	TV, Projector, Audio-video accessory (dongle), Desktop PC, Notebook, Tablet etc.	81BGA 8 x 8 mm
STDP2690	DP1.2 to DP++	Audio-video accessory (dongle), Desktop PC, Notebook, Docking Station, Thunderbolt Source, Peripheral device etc.	81BGA 8 x 8 mm
MCDP2800/2850	DP1.2 to HDMI2.0	Desktop PC, Notebook, Tablet motherboard, DP/USB Type-C Docking Station, Dongle etc.	64LFBGA 7 x 7 mm
MyDP Converters			
STDP2500	MyDP to DP	Audio-video accessory (dongle), Smartphone, Tablet etc.	81BGA 5 x 5 mm
STDP2550	MyDP to HDMI	Audio-video accessory (dongle), Smartphone, Tablet, TV front-end etc.	81BGA 5 x 5 mm
STDP2530	HDMI to MyDP	Smartphone, Tablet, Camera, Portable media device etc.	81BGA 5 x 5 mm
DP MST Hub			
STDP4320	Splitter	Audio-video router, docking station, hub, 4K2K TV, Daisy chain monitor, digital signage etc.	172LFBGA 12 x 12 mm
STDP4328	Concentrator	Audio-video router, docking station, 4K2K camera/recorder etc.	172LFBGA 12 x 12 mm