

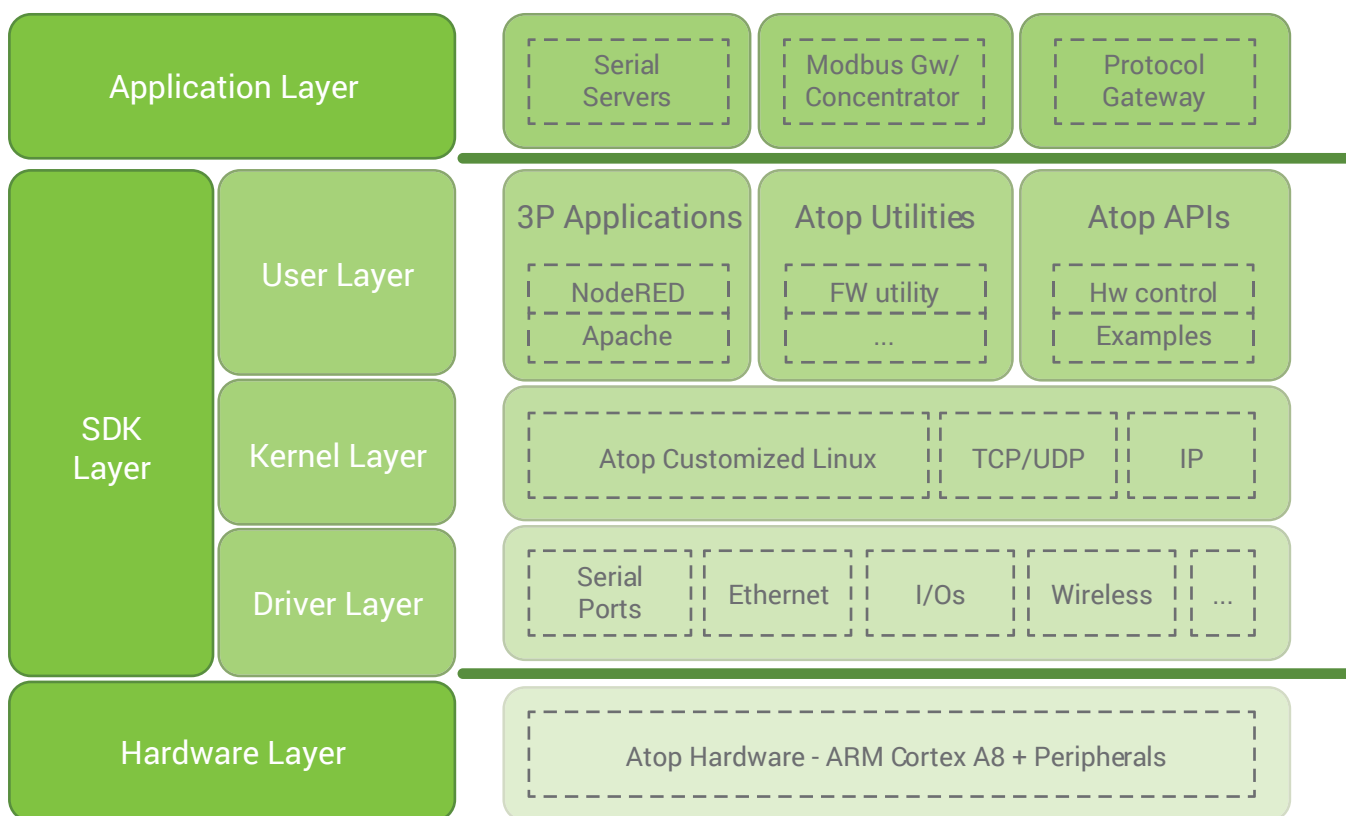
# SDK (Embedded Computers)

**SDK:** Software development kit of ATOP platforms. A Linux based environment allowed to develop proprietary applications on ATOP SW architecture.








Supported platforms (HW support)			
SE52XX series	SE59XX series		
 SE5201 or SE5201C	 SE5901	 SE5901B platform (with 4G/LTE Cellular)	 SE5904D
 SE5202	 SE5908/SE5916	 SE5908A/SE5916A (IEC61850-3 certified)	

**Features:**

- FW redundancy mechanism in , avoid device crashed during FW upgrade/downgrade process
- Rich example codes of C and WEB, easily developing proprietary WEB style and applications
- Flexible architecture, easily add 3<sup>rd</sup> party source, applications, scripts in the SDK



## SDK (Embedded Computers)

	Entry-level			Advanced					
									
<b>General Information</b>	<b>NEW!</b>	<b>NEW!</b>	<b>NEW!</b>				<b>Coming soon</b>		
Model Number	SE5201C	SE5201	SE5202	SE5901	SE5901B	SE5904D	SE5908/16	SE5900A	SE5908A/16A
<b>Network Interfaces</b>									
Total number of ports	1	1	1	2	1	2	2	6	6
Total Fast Ethernet	1	1	1	2	-	(2)	2	6	6
10/100 BaseT(X)	1	1	1	2	-	(2)	2	(6)	(6)
100 Base-X (SFP)	-	-	-	-	-	-	-	(6)	(6)
Total Gigabit	-	-	-	-	1	(2)	-	-	-
10/100/1000 BaseT(X)	-	-	-	-	1	-	-	-	-
100/1000 Base-X SFP	-	-	-	-	-	(2)	-	-	-
3G/4G interfaces	-	-	-	-	•	-	-	-	-
<b>Serial Ports</b>									
Number of ports	1	1	2	1	(1)/(2)	4	8/16	-	8/16
RS-232 RS-422 RS-485 full func.	1	1	2	1	1 (RS-232/485)	4	8/16	-	8/16
RS-232 only	-	-	-	-	1 (only IO vers.)	-	-	-	-
Serial port Isolation	-	-	3kV (Optional)	-	-	3kV (Optional)	2.5kV (Optional)	-	3kV (Optional)
Terminal Block (TB) ports	(1)	(1)	(2)	(1)	(2)	(4)	-	-	(8)/(16)
D-Sub 9 (DB9) ports	(1)	(1)	(2)	(1)	(1)	(4)	-	-	(8)/(16)
RJ45 Serial ports	-	-	-	-	-	-	(8)/(16)	-	-
<b>Hardware Specifications</b>									
CPU Architecture	ARM	ARM	ARM	ARM	ARM	ARM	ARM	ARM	ARM
CPU Speed	300MHz	300MHz	300MHz	800MHz	800MHz	800MHz	800MHz	1000MHz	1000MHz
RAM	64MB DDR2	64MB DDR2	64MB DDR2	256MB (Max)	256MB (Max)	512MB (Max)	512MB (Max)	512MB (Max)	512MB (Max)
Flash	32MB (Max)	32MB (Max)	32MB (Max)	128MB (Max)	128MB (Max)	128MB (Max)	128MB (Max)	128MB (Max)	128MB (Max)
Hardware Watchdog				•	•	•	•	•	•
Buzzer	•	•	•	•	•	•	•	•	•
Digital Inputs					2 (Optional)				
Digital Outputs					2 (Optional)				
Relay Output						1		2	2
USB				2	2	1			
SD or MicroSD cards slot					•	•	•	•	•
<b>Power Supply input</b>									
Power Input	5 VDC	5 & 9~48 VDC	5 & 9~48 VDC	9~48 VDC	9~48 VDC	12~48 VDC	24~48 VDC	24~48 VDC	24~48 VDC
Power PoE 802.3af (PD)				Optional		Optional			
AC power input							100~240VAC	100~240VAC	100~240VAC
High Voltage DC power input								100~370VDC	100~370VDC
Power Redundancy		•	•			•		•	•
<b>Mechanical</b>									
Installation	Field-Mount	Field-Mount	Field-Mount	DIN-Rail	DIN-Rail	DIN-Rail	Rack-mount	Rack-mount	Rack-mount
Ingress Protection	IP30	IP30	IP30	IP30	IP30	IP30	IP30	IP30	IP30
Dimensions (L x H x D) in mm	TBD	TBD	TBD	TBD	TBD	TBD	440 x 44 x 200	440 x 44 x 309	440 x 44 x 309
<b>Supported Temperatures</b>									
Operations Temperature	-40~70° C	-40~70° C	-40~70° C	-40~85° C	-40~70° C	-40~85° C	-20/70° C	-40/85° C	-40/85° C
Storage Temperature	-40~85° C	-40~85° C	-40~85° C	-40~85° C	-40~85° C	-40~85° C	-40~85° C	-40~85° C	-40~85° C
<b>Compliance</b>									
Industrial EMC Protection		•	•	•	•	•	•	•	•
CE/FCC	•	•	•	•	•	•	•	•	•
UL/EN/IEC(CB)60950-1 and/or 62368-1					•				
EN60950-1 and/or EN62368	•	•	•	•	•	•	•	•	•
UL61010-2-201						•			
EN50155 / EN50121-4									
IEC61850-3 / IEEE1613								•	•