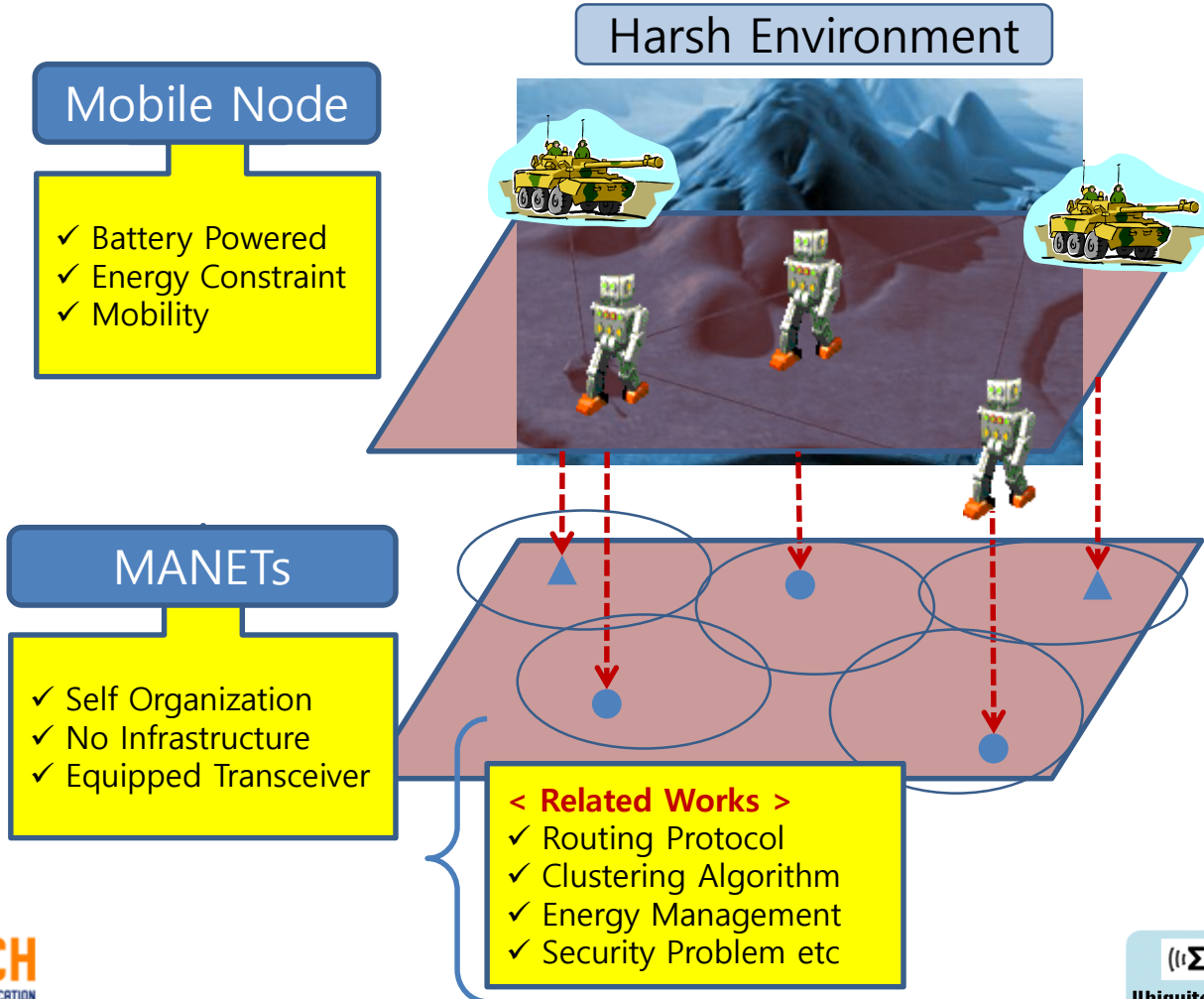


UoC Lab.

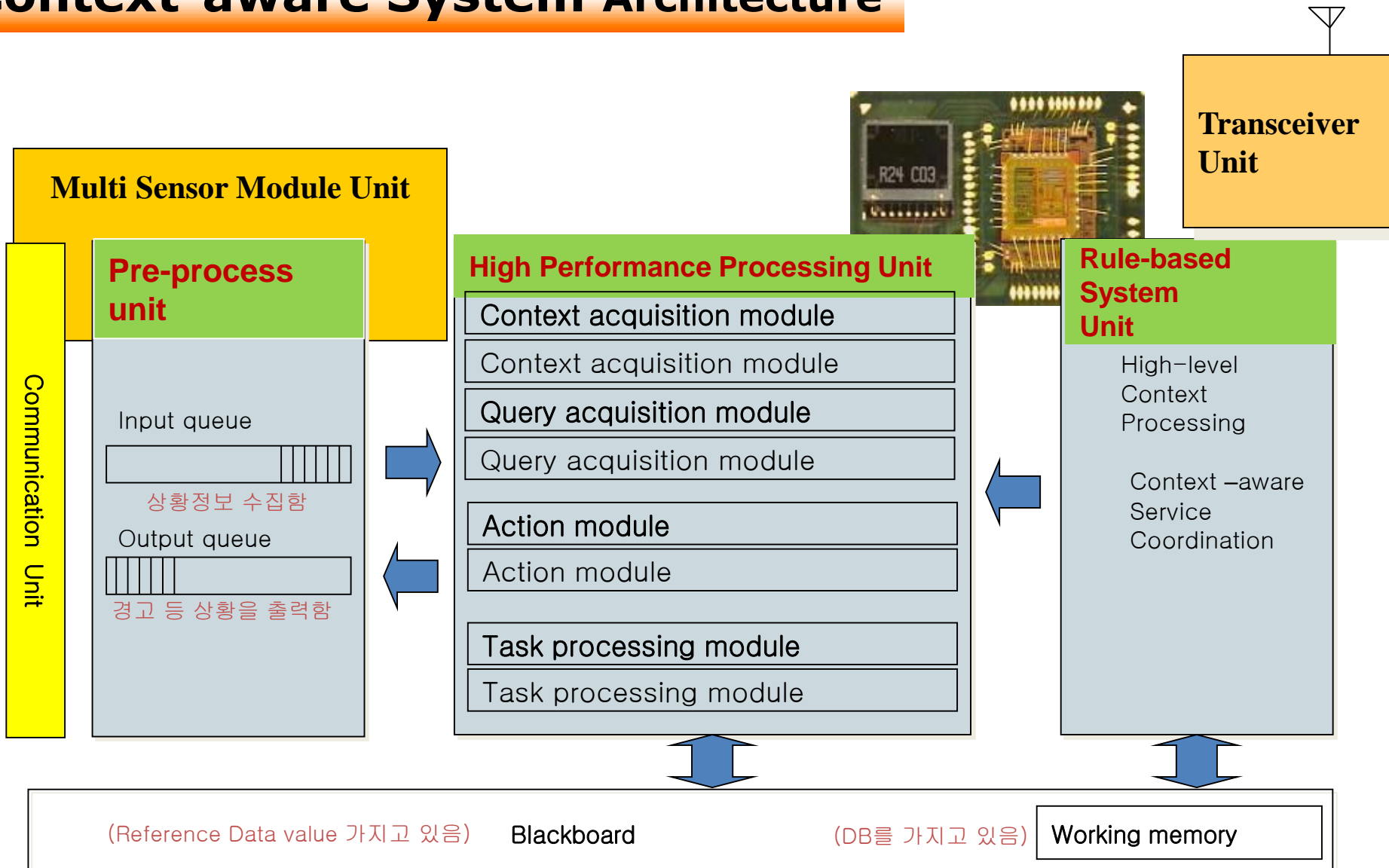
(Ubiquitous System on Context/Chip Network)

연구분야

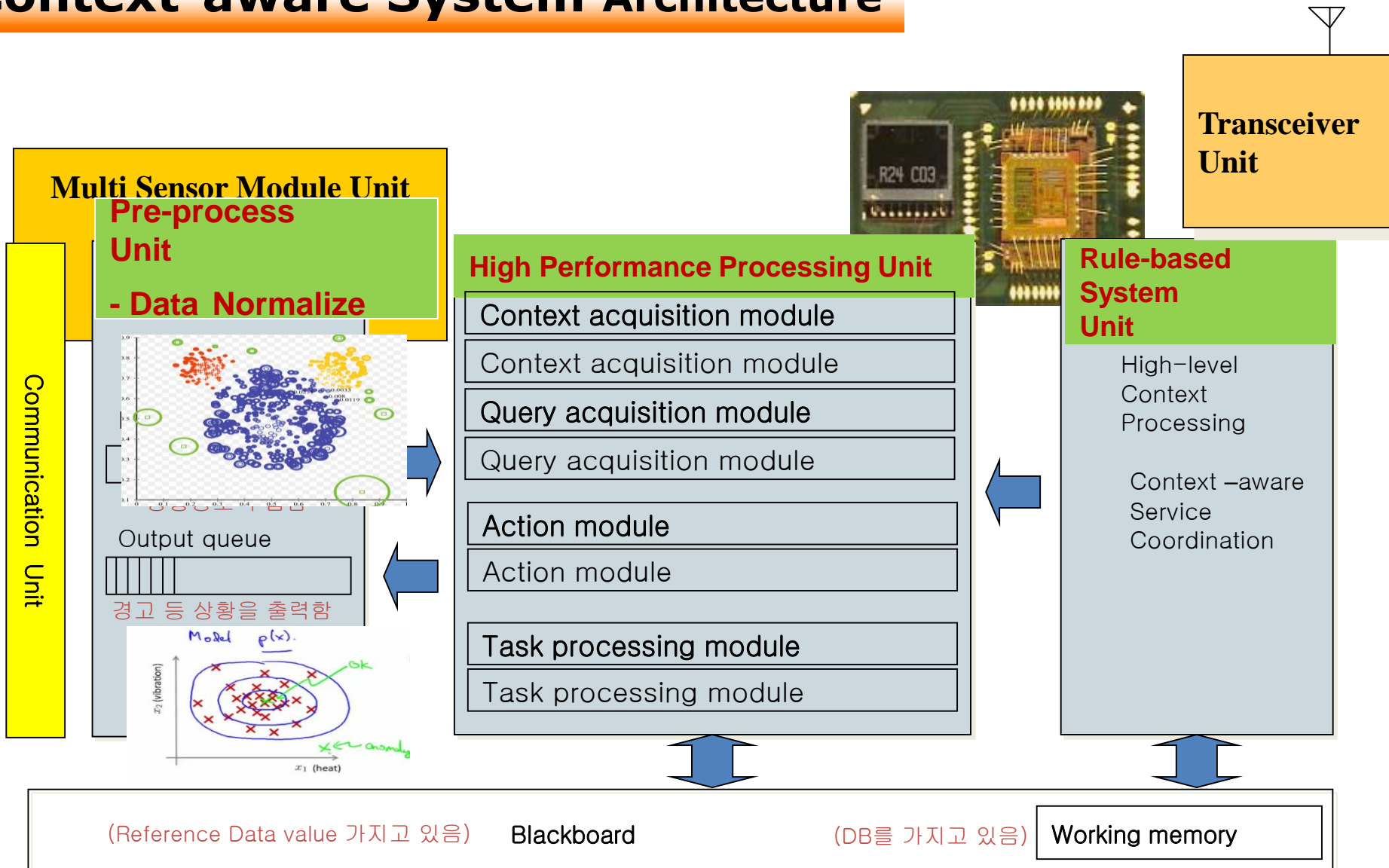
◆ Mobile Ad hoc Networks(MANETs)



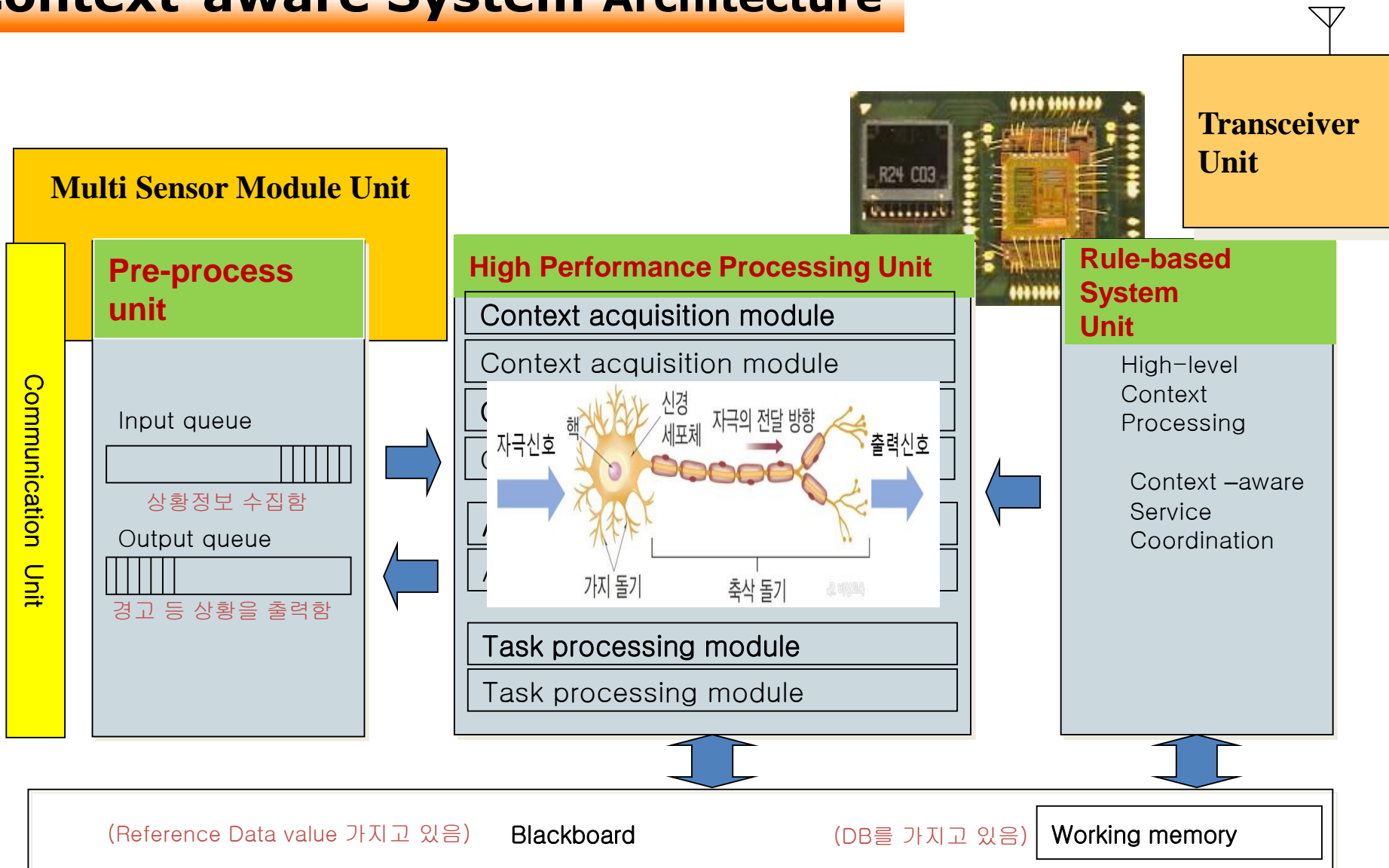
Context-aware System Architecture



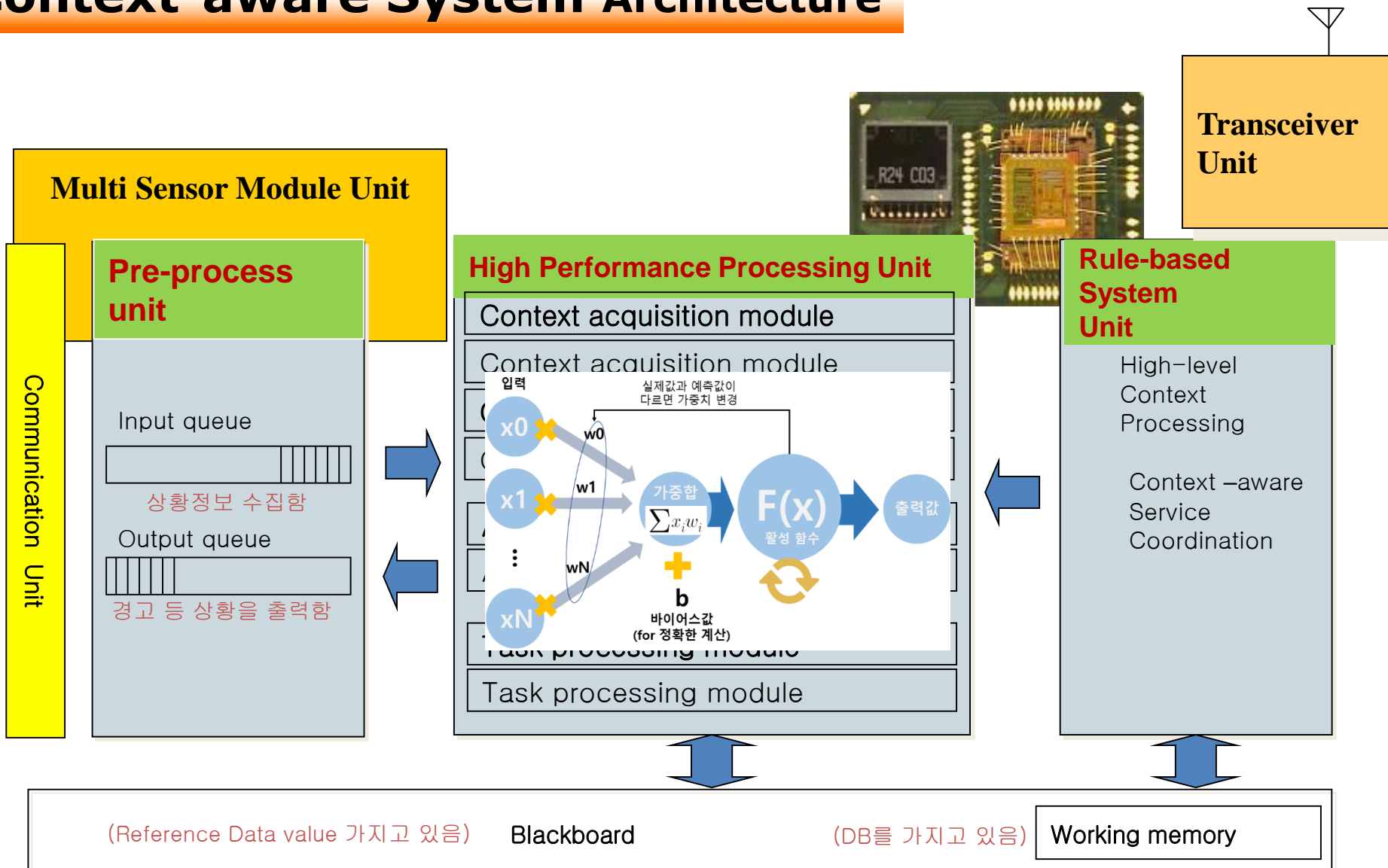
Context-aware System Architecture



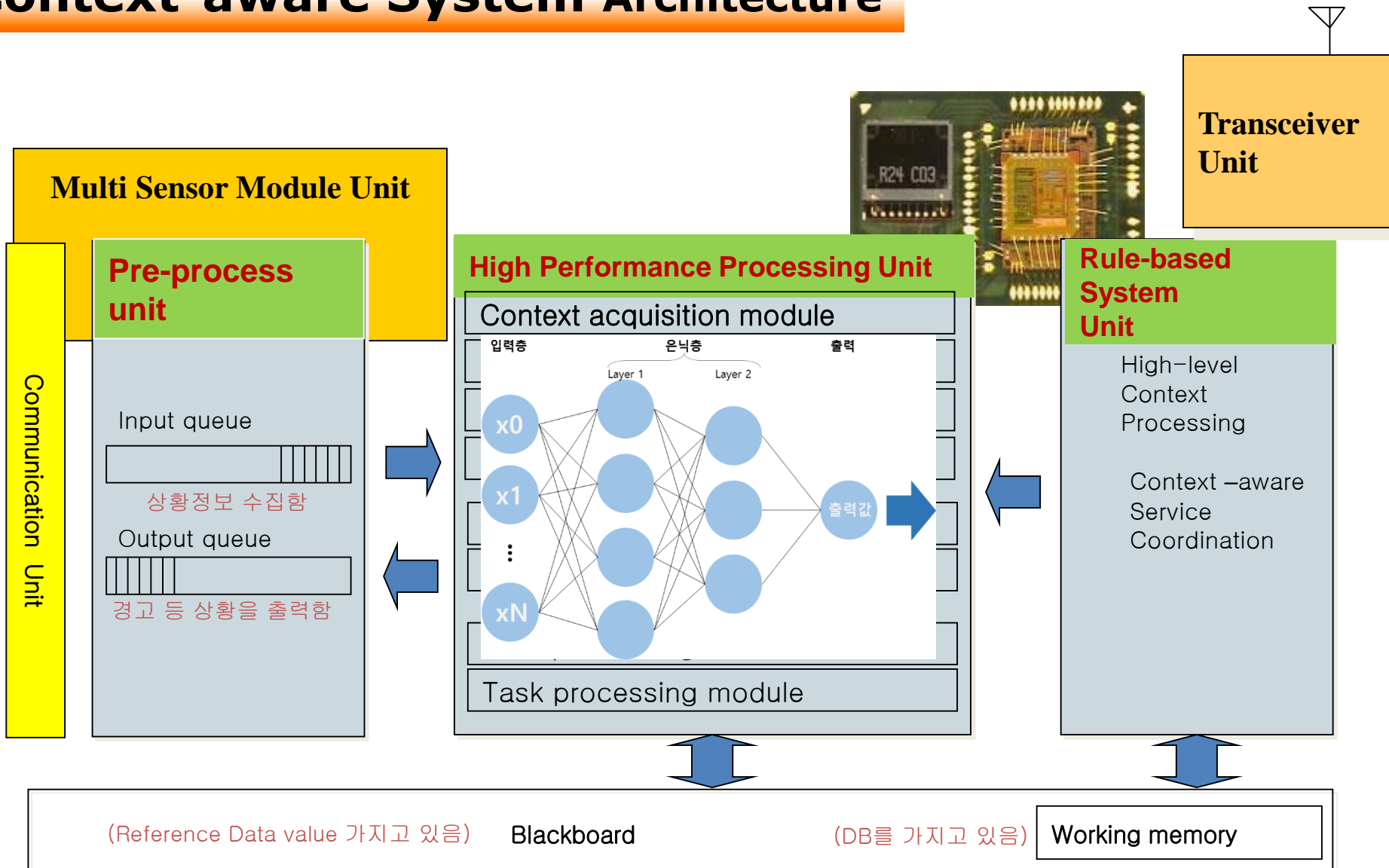
Context-aware System Architecture



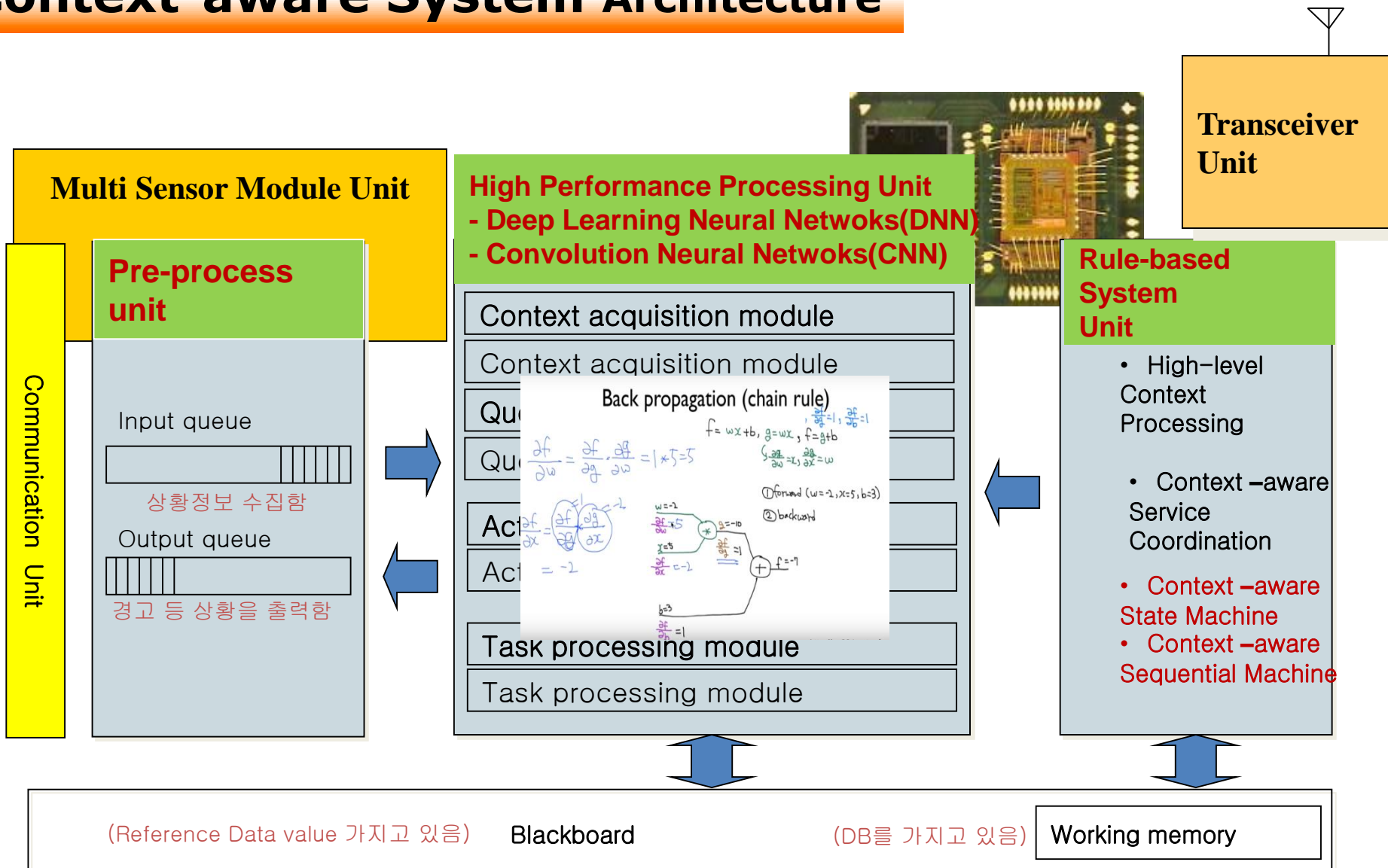
Context-aware System Architecture



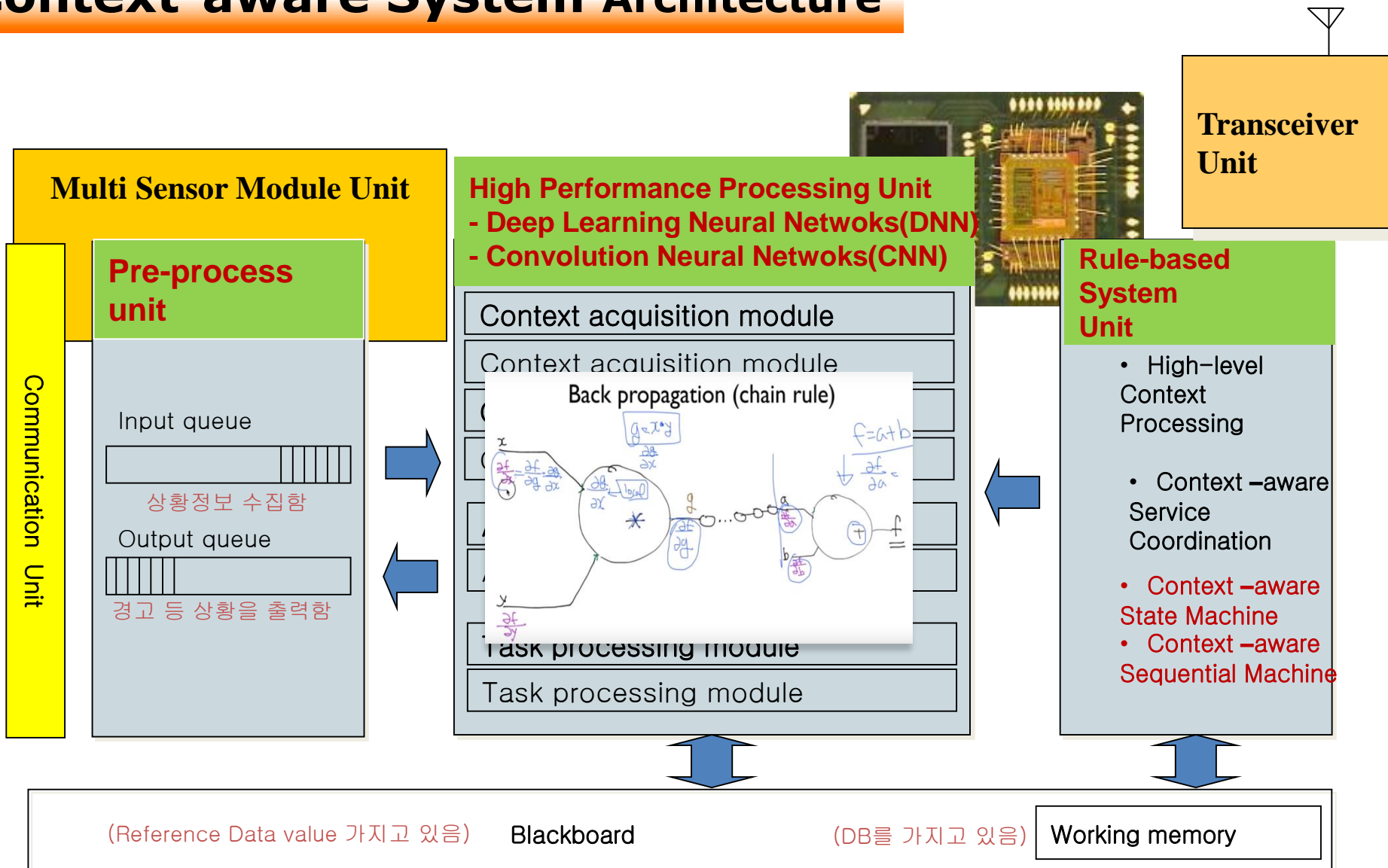
Context-aware System Architecture



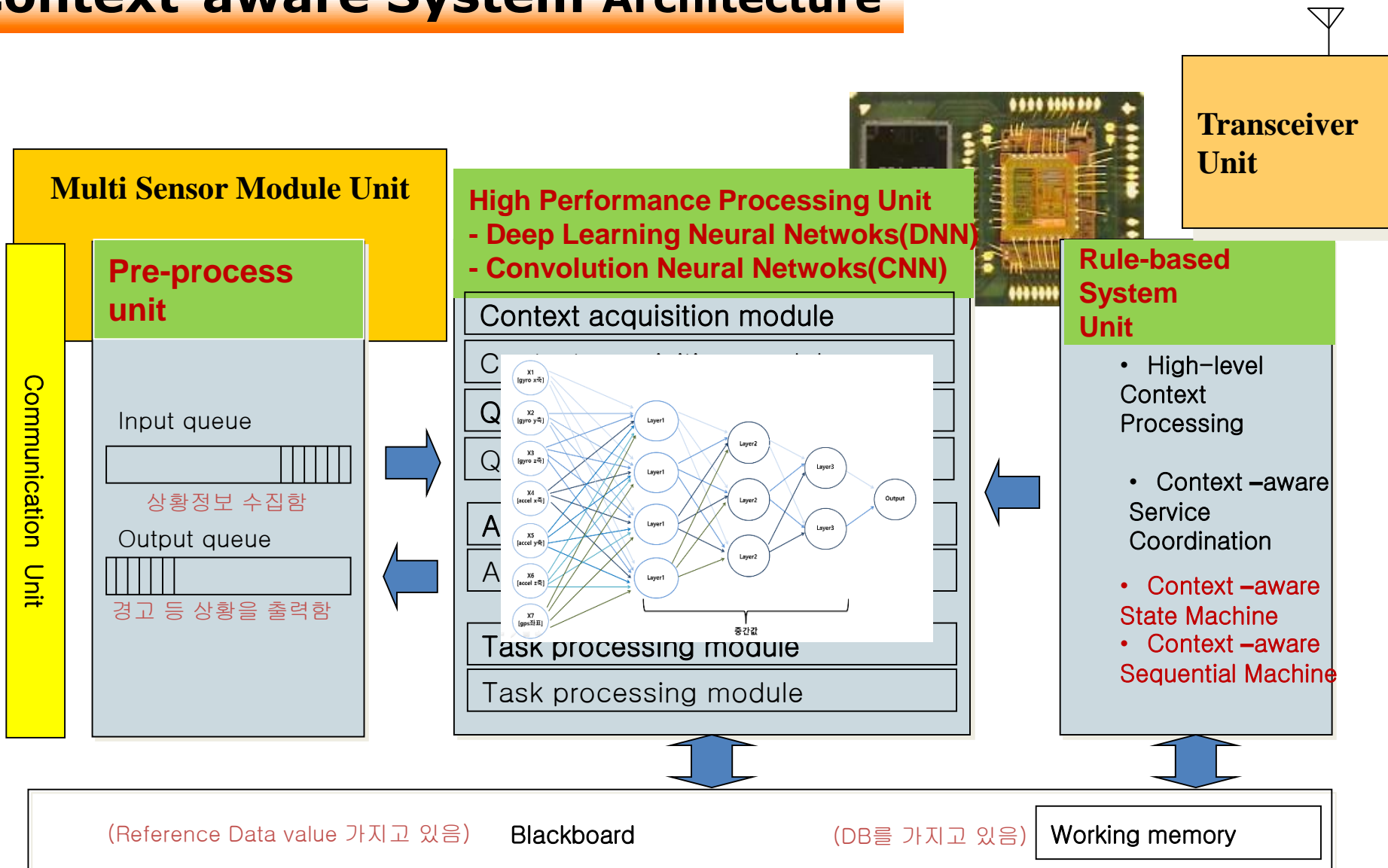
Context-aware System Architecture



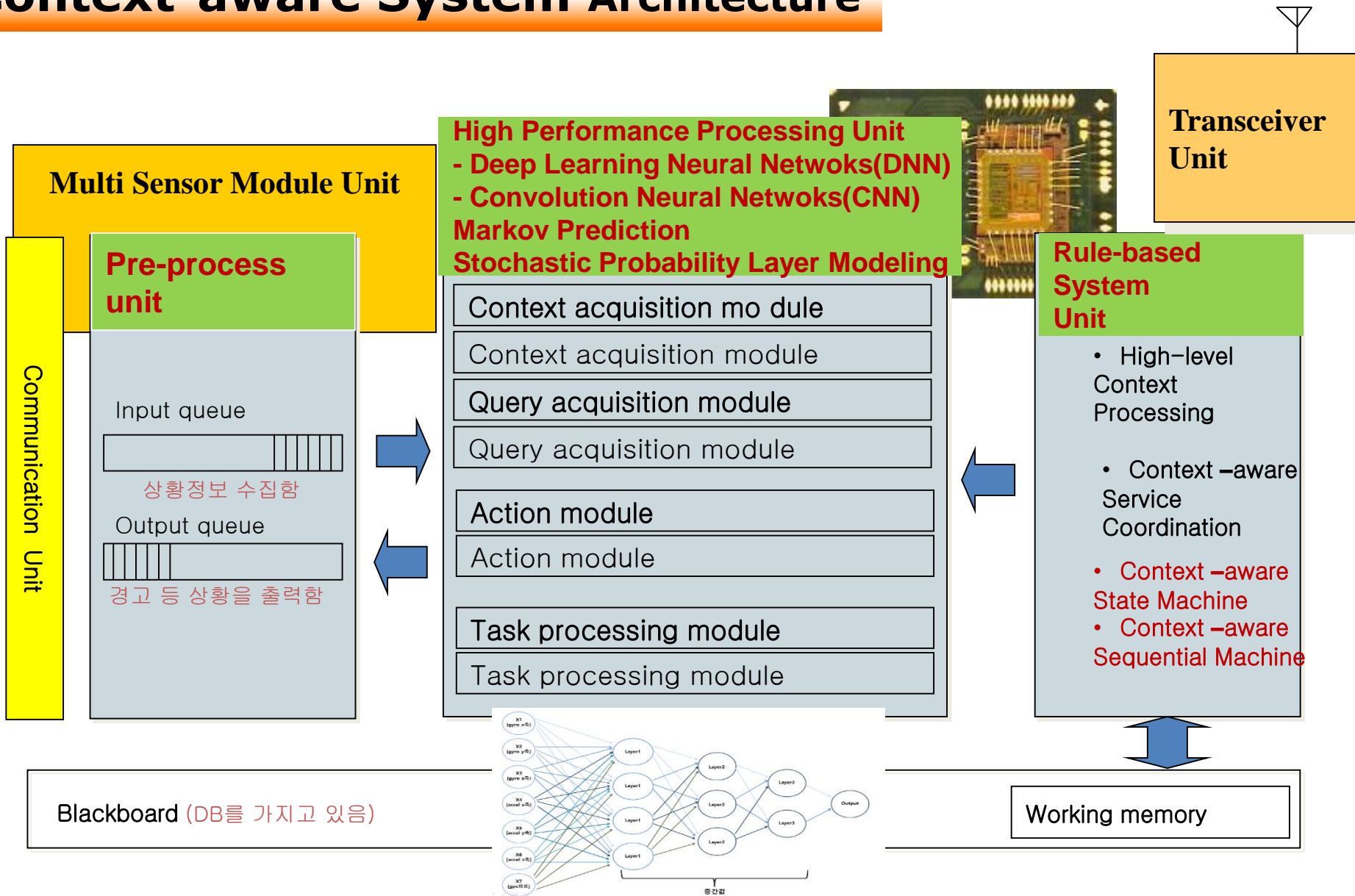
Context-aware System Architecture



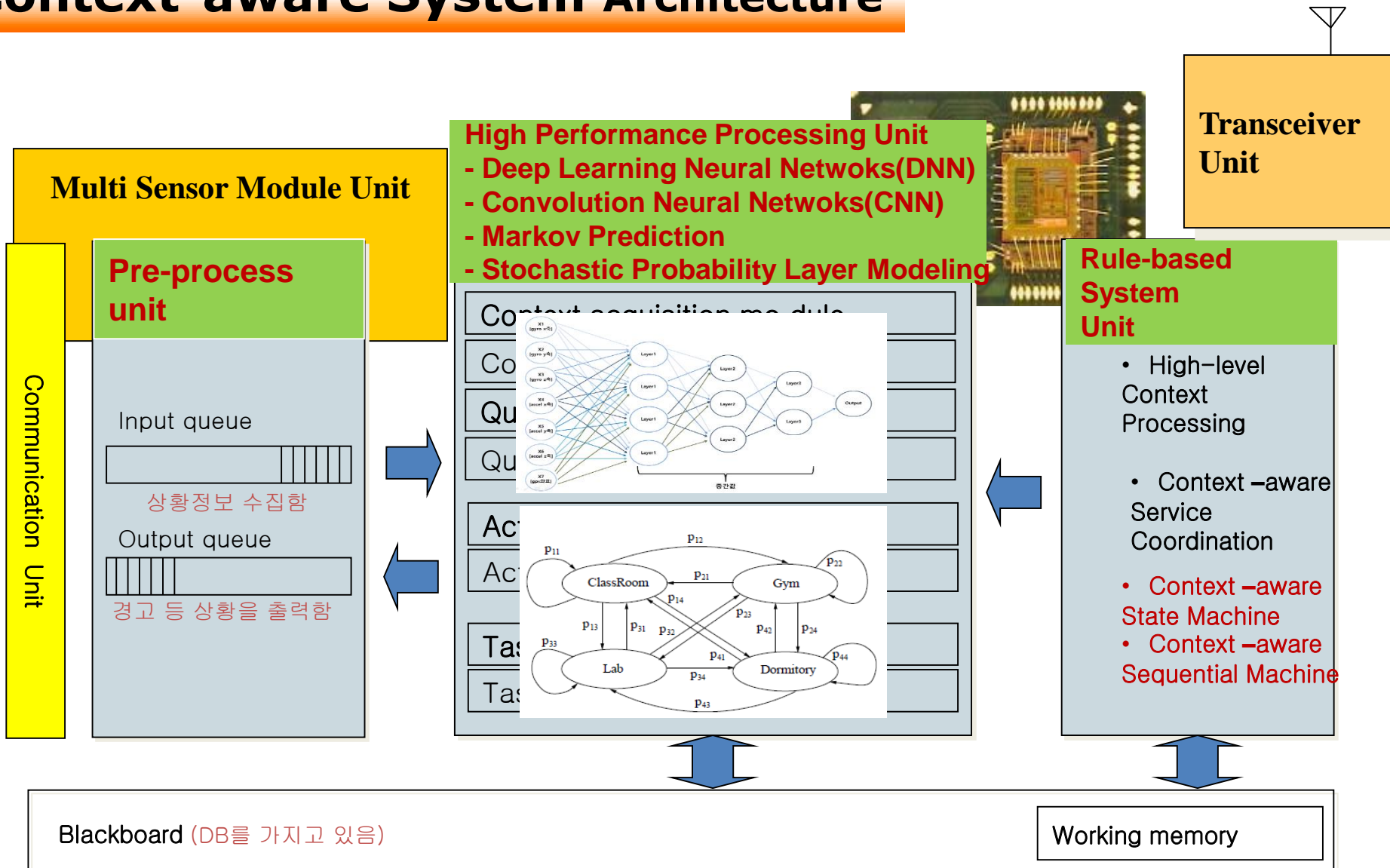
Context-aware System Architecture



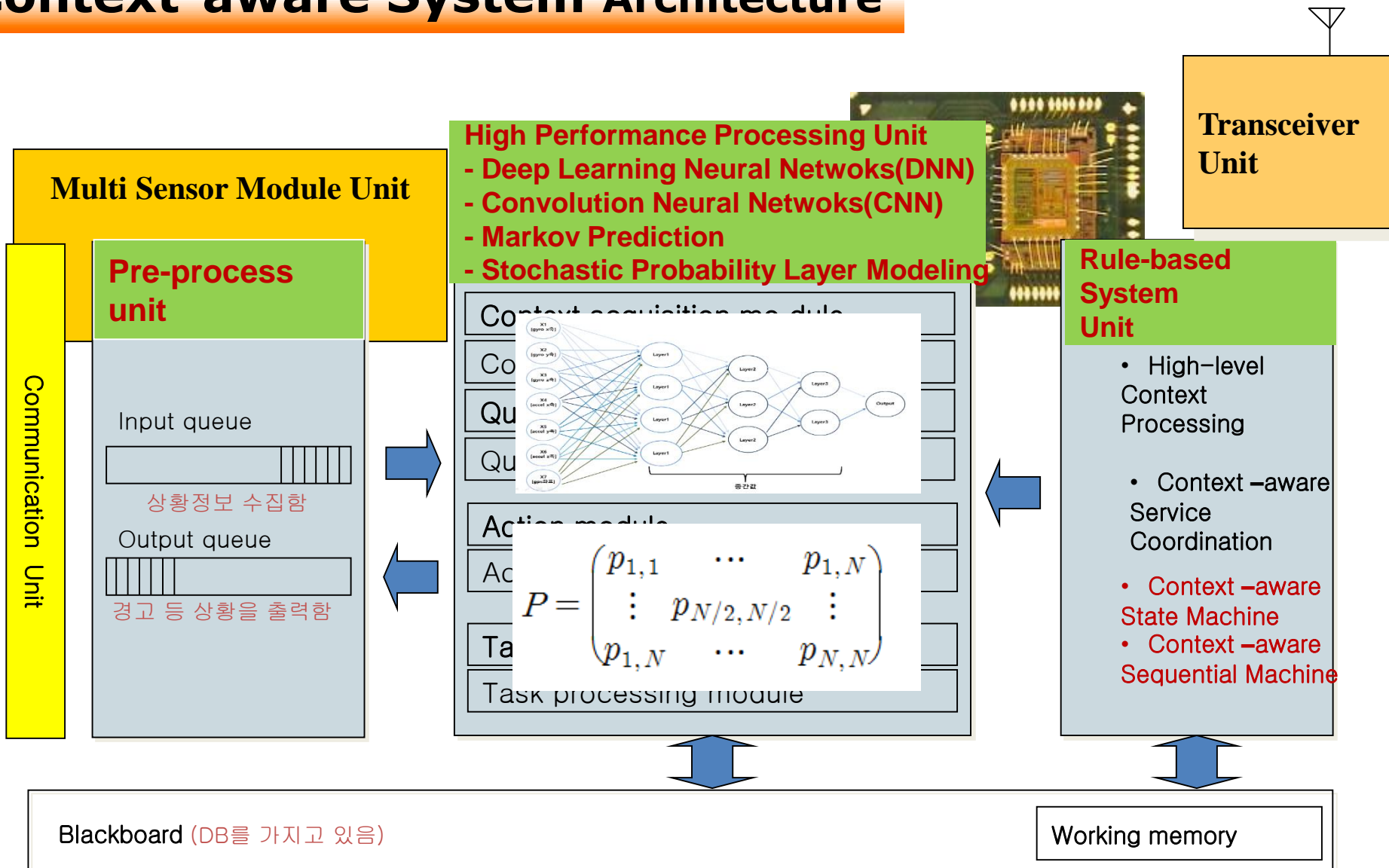
Context-aware System Architecture



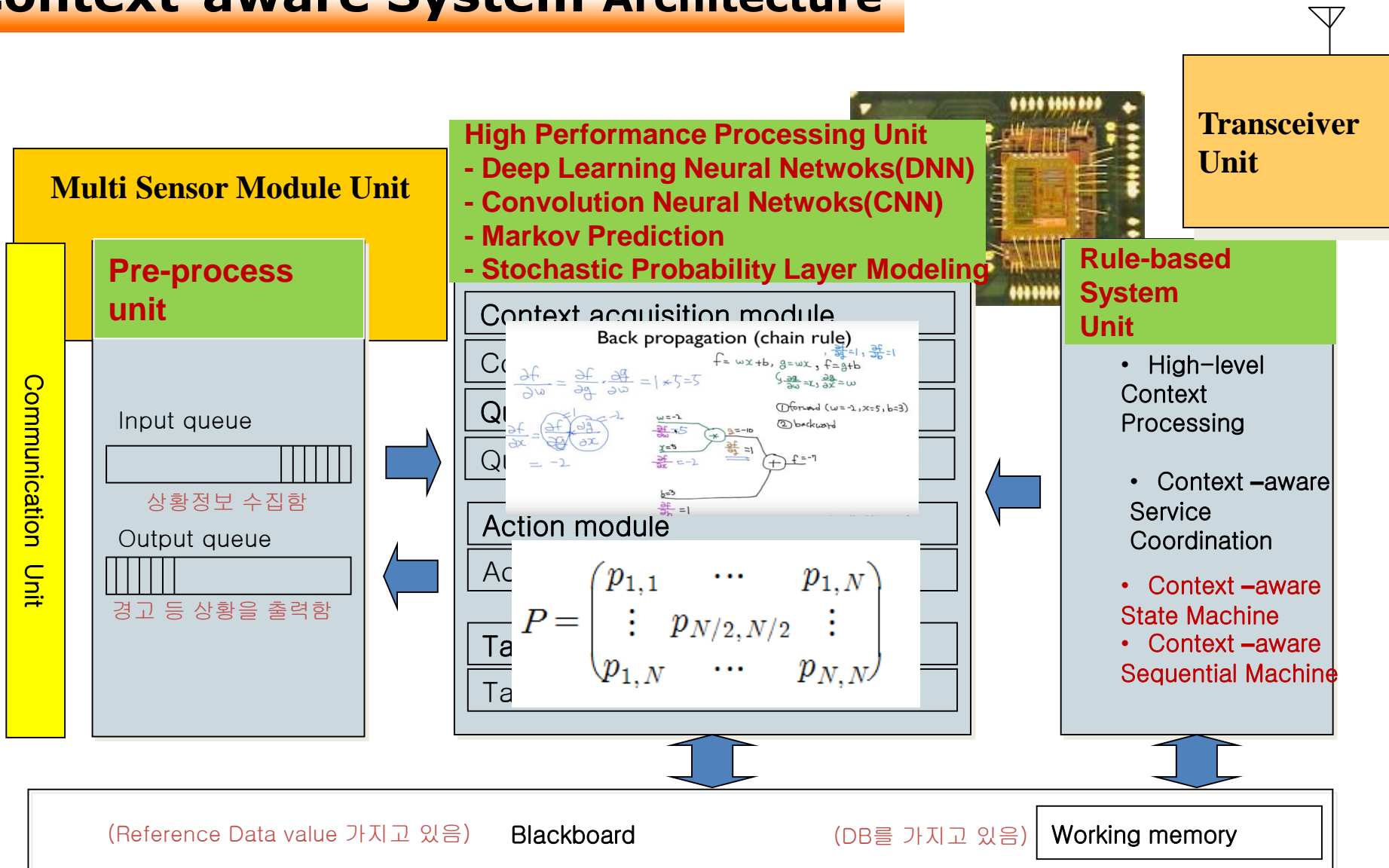
Context-aware System Architecture



Context-aware System Architecture



Context-aware System Architecture



Context-aware System Architecture

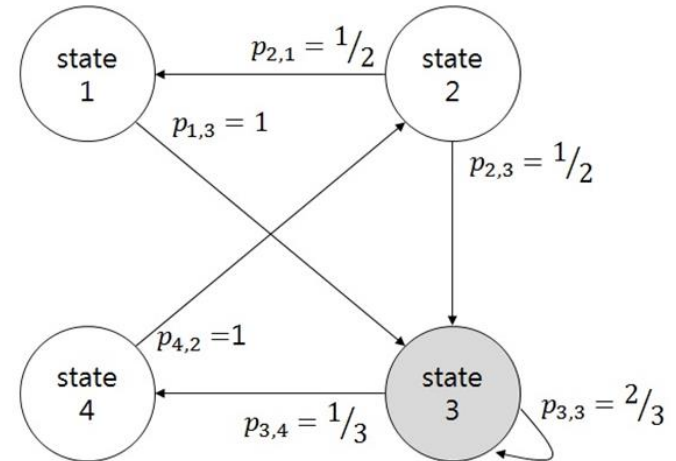
- 노드의 이동 속성 정보를 이용한 천이 확률 매트릭스 생성

시간(t)	t_0	t_1	t_2	t_3	t_4	t_5	t_6	t_7
상태(S)	2	3	4	2	1	3	3	3

(a) 시간 따른 상태 집합 S

$$P = \begin{bmatrix} 0/1 & 0/1 & 1/1 & 0/1 \\ 1/2 & 0/2 & 1/2 & 0/2 \\ 0/3 & 0/3 & 2/3 & 1/3 \\ 0/1 & 1/1 & 0/1 & 0/1 \end{bmatrix}$$

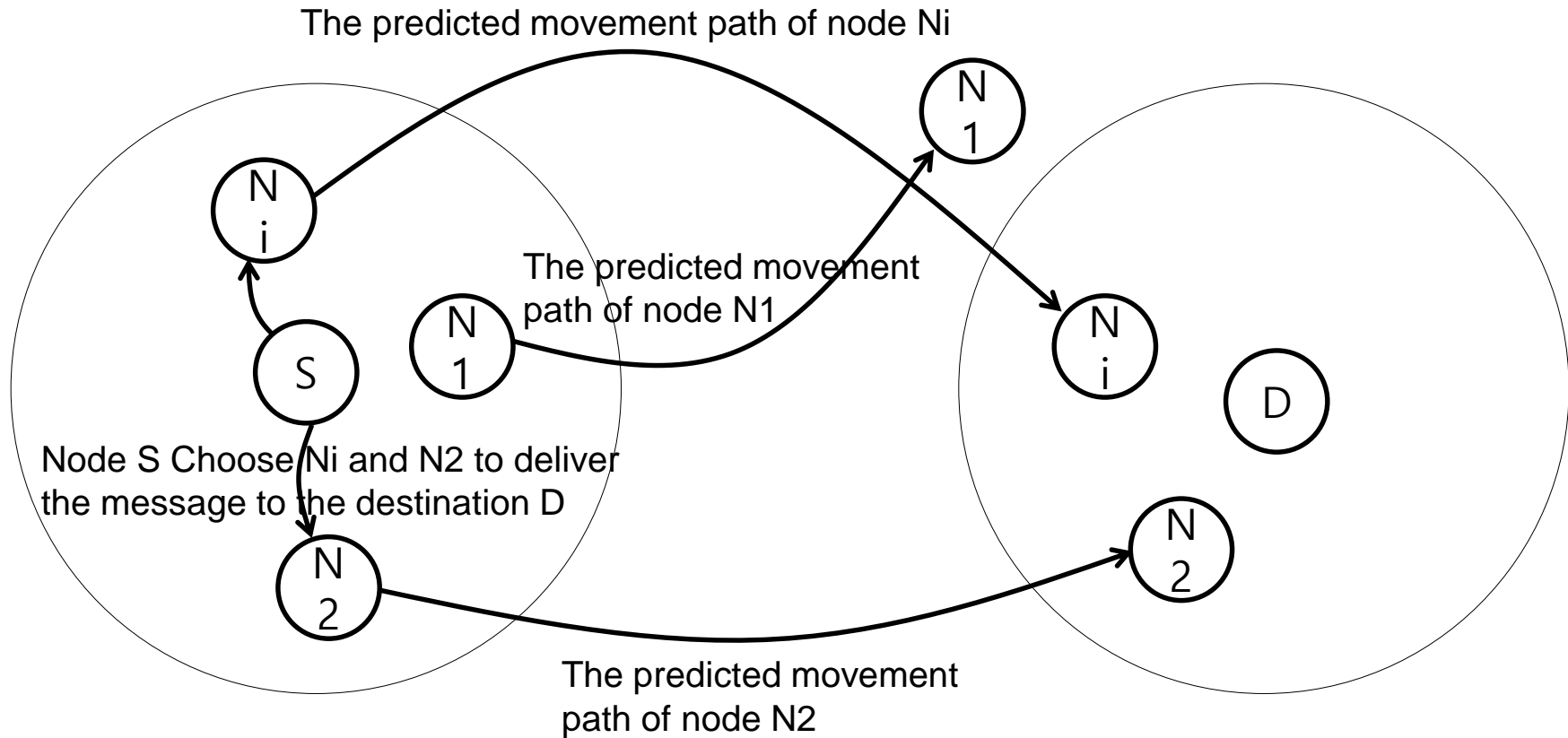
(b) 상태 집합 S 에 의해 생성된 천이 확률 매트릭스



(c) 상태 집합 S 에 의해 생성된 천이 상태도

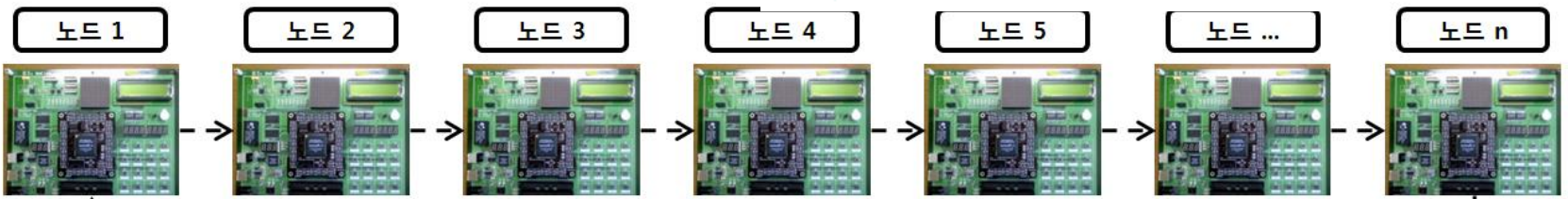
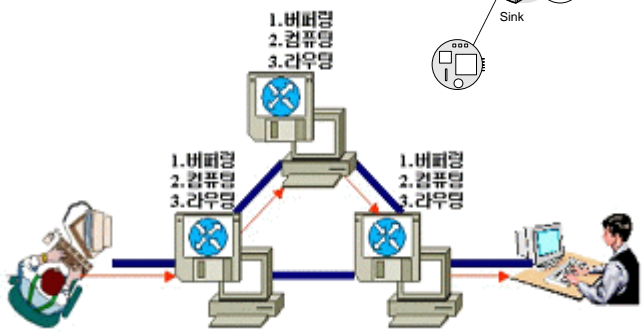
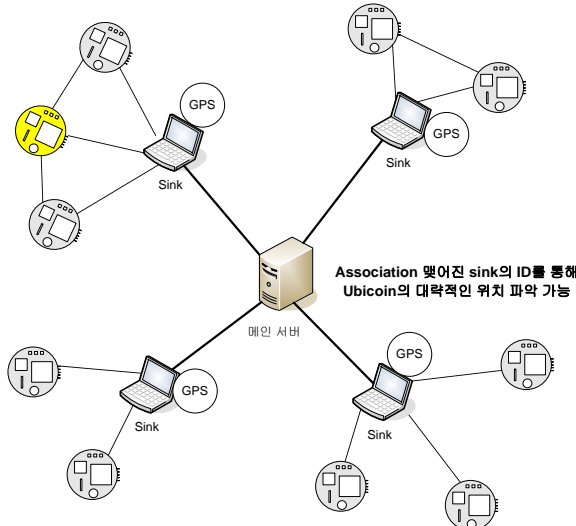
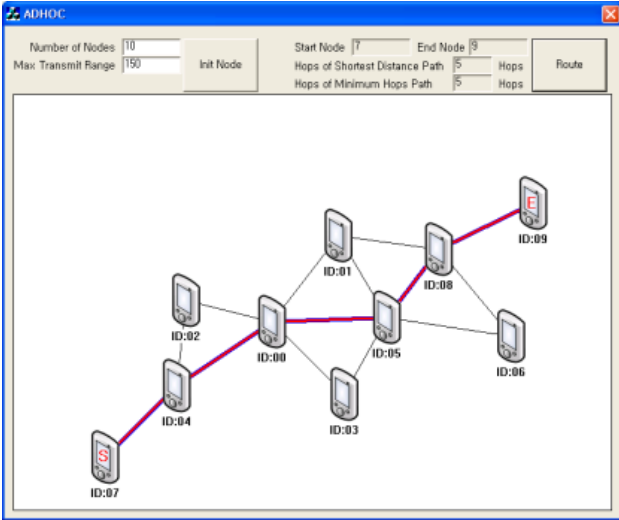
[그림 10] 상태 집합 S 로 생성한 천이 확률 매트릭스 및 다음 상태 예측 과정

Context-aware System Architecture



Context-aware Inference Network System

- 무선 송.수신 센서네트워크 기술
 - Ontology Knowledge based 경로탐색 협업 메시지 구조
 - Context-awareness message processor
 - Inference Sensor Network 구성
 - Active Network 응용



<https://www.youtube.com/channel/UC61GAF9f8y2xT3EBI5ntSWg>

Context-aware Inference Network System Schedule for research of UoC

